

CITY OF COPPELL

DALLAS / DENTON COUNTY, TEXAS



STANDARD CONSTRUCTION DETAILS

REVISED SEPTEMBER 17, 2020

CITY OF COPPELL ORDINANCE # 2006-1129

GENERAL NOTES

1. THESE STANDARD CONSTRUCTION DETAIL DRAWINGS ARE BASED ON THE STANDARD DRAWINGS PUBLISHED BY THE NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENTS (NCTCOG) IN 1996. IN ADDITION TO NUMEROUS LOCAL EXCEPTIONS, MANY DETAILS IN THIS SET ARE UNIQUE TO THE CITY OF COPPELL. THESE STANDARD CONSTRUCTION DETAIL DRAWINGS SUPERSEDE ALL OTHER VERSIONS OF NCTCOG AND CITY OF COPPELL STANDARD CONSTRUCTION DETAILS. THE CITY OF COPPELL RESERVES THE RIGHT TO UPDATE, MODIFY OR SUPERSEDE THESE STANDARD CONSTRUCTION DETAIL DRAWINGS WITHOUT NOTICE. THE CITY OF COPPELL RESERVES THE RIGHT TO REQUIRE METHODS AND MATERIALS CONTRADICTORY TO THOSE SHOWN IN THESE DETAILS ON A CASE BY CASE BASIS.
2. THE CITY OF COPPELL HAS ADOPTED THE "Standard Specifications for Public Works Construction", 4TH EDITION, AS ITS BASIC CONSTRUCTION SPECIFICATIONS. THIS DOCUMENT IS AVAILABLE FOR PURCHASE FROM THE NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENTS (NCTCOG), 616 SIX FLAGS DR., SUITE 200, P.O. BOX 5888, ARLINGTON TEXAS 76005-5888, PH. 817/640-3300, nctcog.org. THE CITY OF COPPELL RESERVES THE RIGHT TO MAKE LOCAL EXCEPTIONS TO ANY STANDARD SPECIFICATION.
3. WHERE THE STANDARD CONSTRUCTION DETAILS AND SPECIFICATIONS DO NOT ADDRESS A SPECIFIC ITEM ADEQUATELY, REFER TO THE APPROPRIATE STANDARDS PUBLISHED BY THE TEXAS DEPARTMENT OF TRANSPORTATION (TxDOT), THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (T.M.U.T.C.D.), TEXAS COMMISSION ON ENVIRONMENTAL QUALITY (T.C.E.Q.), TEXAS POLLUTANT DISCHARGE ELIMINATION SYSTEM (T.P.D.E.S.) GENERAL PERMIT, AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS (A.A.S.H.T.O.), ASTM International AND THE ENVIRONMENTAL PROTECTION AGENCY (E.P.A).
4. LOCAL, STATE AND FEDERAL ORDINANCES WHICH REGULATE DEVELOPMENT IN THE CITY OF COPPELL ARE:
 - a. CITY OF COPPELL SUBDIVISION ORDINANCE.
 - b. CITY OF COPPELL FLOODPLAIN ORDINANCE.
 - c. CITY OF COPPELL IMPACT FEE ORDINANCE.
 - d. CITY OF COPPELL EROSION CONTROL ORDINANCE.
 - e. CITY OF COPPELL ZONING ORDINANCE.
 - f. CITY OF COPPELL RIGHT-OF-WAY MANAGEMENT ORDINANCE.
 - g. CITY OF COPPELL TREE ORDINANCE
 - h. CITY OF COPPELL NOISE ORDINANCE
 - i. CITY OF COPPELL CITY-WIDE STORM WATER MANAGEMENT STUDY
 - j. TEXAS ACCESSIBILITY STANDARDS (T.A.S.)
 - k. AMERICANS WITH DISABILITIES ACT (A.D.A.)
 - △ l. TxDot PED 18 PEDESTRIAN FACILITIES CURB RAMPS

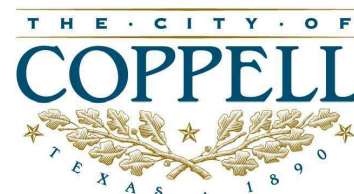


TABLE OF CONTENTS

Division 1000 EROSION & SEDIMENT CONTROL

1010	STRAW BALE DIKE
1020	SILT FENCE
1030	INTERCEPTOR SWALE
1040	DIVERSION DIKE
1050	TRIANGULAR SEDIMENT FILTER DIKE
1060	ROCK BERM
1070	STABILIZED CONSTRUCTION ENTRANCE
1080	SANDBAG BERM
1090	STONE OUTLET SEDIMENT TRAP
1100	SEDIMENT BASIN
1110	PIPE SLOPE DRAIN
1120	INLET PROTECTION <u>Grate Inlet Filter Barrier</u>
1130	INLET PROTECTION <u>Block and Gravel</u>
1135	INLET PROTECTION <u>Wattle Filter</u>
1140	INLET PROTECTION <u>Wire Mesh and Gravel</u>
1150	INLET PROTECTION <u>Excavated Impoundment</u>
1160	EROSION CONTROL MATTING

Division 2000 PAVEMENT SYSTEMS

2010	REINFORCED CONCRETE PAVEMENT <u>Six-Lane Divided Thoroughfare</u>
2020	REINFORCED CONCRETE PAVEMENT <u>Four-Lane Divided Thoroughfare</u>
2025	REINFORCED CONCRETE PAVEMENT <u>Dedicated Left Turn Lane</u>
2030	REINFORCED CONCRETE PAVEMENT <u>2- & 4-Lane Undivided Thoroughfare</u>
2035	REINFORCED CONCRETE PAVEMENT <u>28' B-B Residential Street</u>
2040	REINFORCED CONCRETE PAVEMENT <u>Alleys</u>
2050	REINFORCED CONCRETE PAVEMENT <u>Pavement Joints</u>
2060	REINFORCED CONCRETE PAVEMENT <u>Transverse Joint Spacing</u>
2070	REINFORCED CONCRETE PAVEMENT <u>Street Headers</u>
2080	NOT USED

Division 2000 PAVEMENT SYSTEMS Continued...

2090	NOT USED	2195	PAVEMENT SYSTEMS GENERAL NOTES
2100	NOT USED	2200	SUBDRAINS <u>Pavement Subgrade</u>
2110	HOT MIX ASPHALTIC CONCRETE PAVEMENT <u>Two-Lane Undivided Thoroughfare</u>	2210	ALLEY GEOMETRICS <u>Type "A" and Type "B"</u>
2120	CONCRETE CURB AND GUTTER <u>Integral and Separate</u>	2220	ALLEY GEOMETRICS <u>Type "C" and Type "D"</u>
2130	MEDIAN ISLAND PAVEMENT <u>Left Turn Lane with Sloped Nose</u>	2230	ALLEY GEOMETRICS <u>Type "E" and Type "F"</u>
2140	MEDIAN ISLAND PAVEMENT <u>Median Island with Sloped Nose</u>	2240	ALLEY GEOMETRICS <u>Type "G" and Type "H"</u>
2150-1	DRIVEWAY APPROACH <u>Type "A"</u>	2250	ALLEY GEOMETRICS <u>Type "J"</u>
2150-2	DRIVEWAY APPROACH <u>Type "A"</u>	2260	ALLEY INTERSECTION <u>Proposed to Existing</u>
2155-1	DRIVEWAY APPROACH <u>Type "B"</u>	2270	GUARD RAIL AND BARRICADING NOTE
2155-2	DRIVEWAY APPROACH <u>Type "B"</u>	2280	TRAFFIC CONTROL NOTE
2160-1	ALLEY APPROACH <u>Radius Return Type</u>	2290	FIRE LANE AND PARKING LOT <u>Reinforced Concrete</u>
2160-2	ALLEY APPROACH <u>Radius Return Type</u>	2300	FIRE LANE AND PARKING LOT <u>Hot Mix Asphaltic Concrete</u>
2165-1	ALLEY APPROACH REPLACEMENT <u>Flared Type</u>	2310	FIRE LANE AND PARKING LOT <u>Type "A" and Type "B" Turnaround</u>
2165-2	ALLEY APPROACH REPLACEMENT <u>Flared Type</u>	2320	FIRE LANE AND PARKING LOT <u>Fire Lane Marking</u>
2170	REINFORCED CONCRETE SIDEWALK <u>Joints and Spacing</u>	2330	POURED CONCRETE BASE <u>Bollard and Direct Bury Pole</u>
2180	REINFORCED CONCRETE RETAINING WALL <u>Integral with Sidewalk</u>	2335	POURED CONCRETE BASE <u>Square and Round Sign Post</u>
2185	ACCESSIBLE ROUTES, RAMPS AND CROSSWALKS NOTE	2340	TRAFFIC SIGNALS <u>Collector Streets and Thoroughfares</u>
2190	COMMERCIAL DRIVEWAY DECORATIVE PAVING <u>Stamped Concrete</u>	2350	PAVEMENT SYSTEMS TESTING REQUIREMENTS



TABLE OF CONTENTS

Division 3000 GENERAL UNDERGROUND CONDUIT

3010	EMBEDMENT <u>Class "A" and "A-1"</u>
3020	EMBEDMENT <u>Storm Drain</u>
3030	EMBEDMENT <u>Water Main</u>
3040	NOT USED
3050	EMBEDMENT <u>Sanitary Sewer</u>
3060	EMBEDMENT <u>Class "G" and "G-1"</u>
3070	PAVEMENT CUTS <u>Removal and Replacement</u>
3080	NOT USED
3090	ENCASEMENT <u>Roadway Crossing Bore</u>
3095	GENERAL UNDERGROUND CONDUIT <u>Irrigation Sleeving and Electrical Conduit</u>
3100	GENERAL UNDERGROUND CONDUIT <u>General Notes and Testing</u>

Division 4000 WATER DISTRIBUTION

4010-1	HORIZONTAL THRUST BLOCK <u>At Pipe Bend</u>
4010-2	HORIZONTAL THRUST BLOCK <u>At Pipe Bend</u>
4020	HORIZONTAL THRUST BLOCK <u>At Tees and Plugs</u>
4030	VERTICAL THRUST BLOCK <u>At Pipe Bend</u>
4040	THRUST BLOCK <u>General Notes</u>
4050	GATE VALVE 16" AND SMALLER <u>Installation</u>
4060	NOT USED
4070-1	VAULT CONSTRUCTION <u>Vertical Gate Valve Larger than 16"</u>
4070-2	VAULT CONSTRUCTION <u>Vertical Gate Valve Larger than 16"</u>
4080	NOT USED

Division 4000 WATER DISTRIBUTION Continued...

4090	AIR RELEASE VALVE <u>Type 1</u>
4100-1	AIR RELEASE VALVE <u>Type 2</u>
4100-2	AIR RELEASE VALVE <u>Details</u>
4110	BLOW-OFF VALVE <u>Type 1</u>
4120	FIRE HYDRANT <u>Installation</u>
4130	WATER SERVICE INSTALLATION <u>3/4" Meter – Residential Domestic</u>
4135	WATER SERVICE INSTALLATION <u>3/4" Meter – Irrigation or Commercial Domestic</u>
4140	WATER SERVICE INSTALLATION <u>1" Meter – Residential Domestic</u>
4145	WATER SERVICE INSTALLATION <u>1" Meter – Irrigation or Commercial Domestic</u>
4150	WATER SERVICE INSTALLATION <u>1-1/2" or 2" Meter – Domestic</u>
4155	WATER SERVICE INSTALLATION <u>1-1/2" or 2" Meter – Irrigation</u>
4160	DETECTOR CHECK VALVE INSTALLATION <u>3" to 6" Service</u>
4162	DOMESTIC AND IRRIGATION SERVICE INSTALLATION <u>3" to 6" Service</u>
4165	DETECTOR CHECK VALVE INSTALLATION <u>8" to 12" Service</u>
4170	FIRE DEPARTMENT CONNECTION (F.D.C.) <u>Located Outside Paving</u>
4175	FIRE DEPARTMENT CONNECTION (F.D.C.) <u>Located Inside Paving</u>
4180	BUILDING FIRE SPRINKLER SYSTEM <u>Connection to Private Water Main</u>
4190	DETECTOR CHECK VAULT <u>Pre-Cast Construction</u>
4195	DETECTOR CHECK VAULT <u>Cast-In-Place Construction</u>
4200	WATER MAIN ADJUSTMENT <u>at Storm Drain Crossing</u>
4210	WATER MAIN ADJUSTMENT <u>at Sanitary Sewer Crossing</u>
4220	VALVE LOCATION AND IDENTIFICATION <u>Curb Lettering and Color Coding</u>
4225	WATER VALVE AND WATER LINE ABANDONMENT <u>Inside and Outside of Pavement</u>
4230	WATER DISTRIBUTION <u>Testing Requirements</u>



TABLE OF CONTENTS

Division 5000 SANITARY SEWER

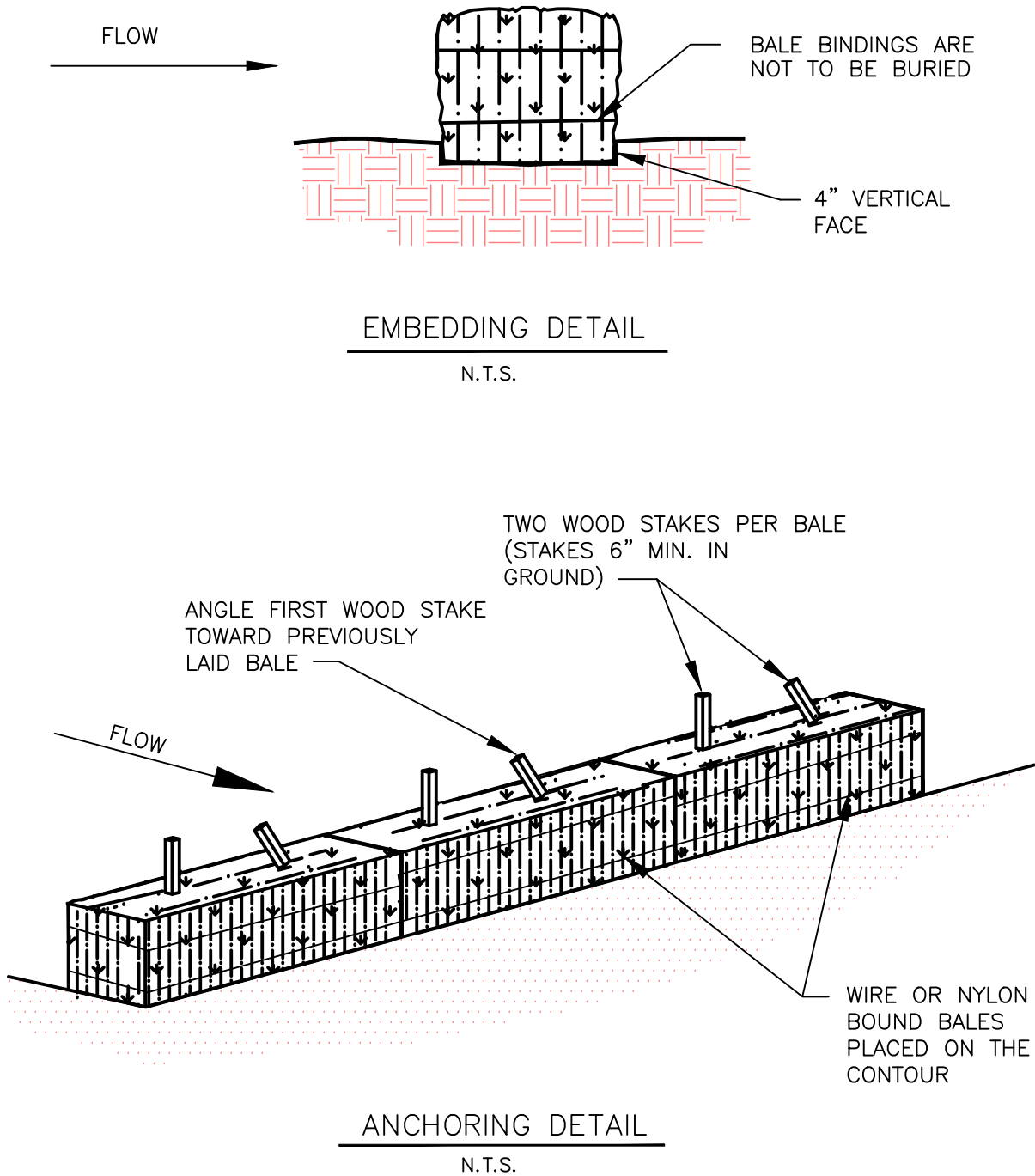
5010	SANITARY SEWER <u>Main Tie-in at Cleanout or Stubout</u>
5020	SANITARY SEWER <u>Manhole: Pre-Cast</u>
5030	SANITARY SEWER <u>Manhole: Cast-in-Place</u>
5040	NOT USED
5050	SANITARY SEWER <u>Manhole: Pressure Type</u>
5060	SANITARY SEWER <u>Manhole: Vented Type</u>
5070	SANITARY SEWER <u>Manhole: Outside Drop Connection</u>
5080	SANITARY SEWER <u>Manhole: Inside Drop Connection</u>
5090	SANITARY SEWER <u>Manhole: Line Intersection</u>
5100	SANITARY SEWER <u>Manhole: False Bottom</u>
5105	SANITARY SEWER <u>Wastewater Access Device (W.A.D.)</u>
5110	SANITARY SEWER <u>6" Commercial Cleanout</u>
△ 5115	SANITARY SEWER <u>6" Commercial Inline Cleanout</u>
5120	SANITARY SEWER <u>Standard Service Connection</u>
5130	SANITARY SEWER <u>Deep Service Connection</u>
5140	SANITARY SEWER <u>Lateral Replacement Prior to Paving</u>
5150	SANITARY SEWER <u>Manhole Abandonment In and Out of Paving</u>
5160	SANITARY SEWER <u>Aerial Crossing</u>
5170	MANHOLE AND CLEANOUT LOCATION AND IDENTIFICATION <u>Curb Lettering and Color Coding</u>
5180	SANITARY SEWER <u>General Notes and Testing</u>

Division 6000 STORM DRAIN

6010	STORM DRAIN <u>Manhole 4', 5', or 6' Square</u>
6020-1	STORM DRAIN <u>Curb Inlet: 5', 10', 15' or 20' Opening</u>
6020-2	STORM DRAIN <u>Curb Inlet: 5', 10', 15' or 20' Opening</u>
6020-3	STORM DRAIN <u>Curb Inlet: Rebar, Manhole Frame and Cover</u>
6020-4	STORM DRAIN <u>Curb Inlet: Bill of Reinforcing Steel</u>
6020-5	STORM DRAIN <u>Curb Inlet: Summary of Quantities</u>
6030-1	STORM DRAIN <u>Recessed Curb Inlet: 5', 10', 15' or 20'</u>
6030-2	STORM DRAIN <u>Recessed Curb Inlet: 5', 10', 15' or 20'</u>
6030-3	STORM DRAIN <u>Recessed Curb Inlet: Throat and Manhole Cover</u>
6030-4	STORM DRAIN <u>Recessed Curb Inlet: General Notes</u>
6040	STORM DRAIN <u>Drop Inlet</u>
6050	STORM DRAIN GRATE INLET NOTE
6060	STORM DRAIN <u>Full Channel Lining</u>
6070	STORM DRAIN <u>Vertical Headwall</u>
6080	STORM DRAIN <u>Sloping Headwall</u>
6085	STORM DRAIN <u>Pipe Collar and Field Connection</u>
6090	STORM DRAIN <u>General Notes and Testing</u>

NOTES:

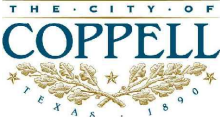
1. STRAW BALE DIKE IS NOT A PREFERRED METHOD OF SEDIMENT CONTROL, AND IS TO BE USED ONLY WHEN EVALUATED AND APPROVED ON A CASE BY CASE BASIS.
2. EACH BALE SHALL BE EMBEDDED IN THE SOIL A MINIMUM OF FOUR INCHES.
3. BALES SHALL BE SECURELY ANCHORED IN PLACE BY 2" X 2" WOOD STAKES DRIVEN THROUGH THE BALES. THE FIRST STAKE IN EACH BALE SHALL BE ANGLED TOWARD THE PREVIOUSLY LAID BALE TO FORCE THE BALES TOGETHER.
4. INSPECTION SHALL BE MADE EVERY TWO WEEKS AND AFTER EACH 1/2" RAINFALL EVENT. REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED BY THE CONTRACTOR.
5. WHEN SILT REACHES A DEPTH OF 6 INCHES, IT SHALL BE REMOVED AND DISPOSED OF IN AN APPROVED MANNER.
6. AFTER THE DISTURBED AREAS OF THE SITE ARE COMPLETELY STABILIZED, THE BALES SHALL BE REMOVED AND DISPOSED OF AT AN APPROVED SPOIL DISPOSAL SITE.
7. STRAW BALE DIKE SHALL CONFORM TO T.P.D.E.S. AND T.C.E.Q. REQUIREMENTS.



North Central Texas Council of Governments

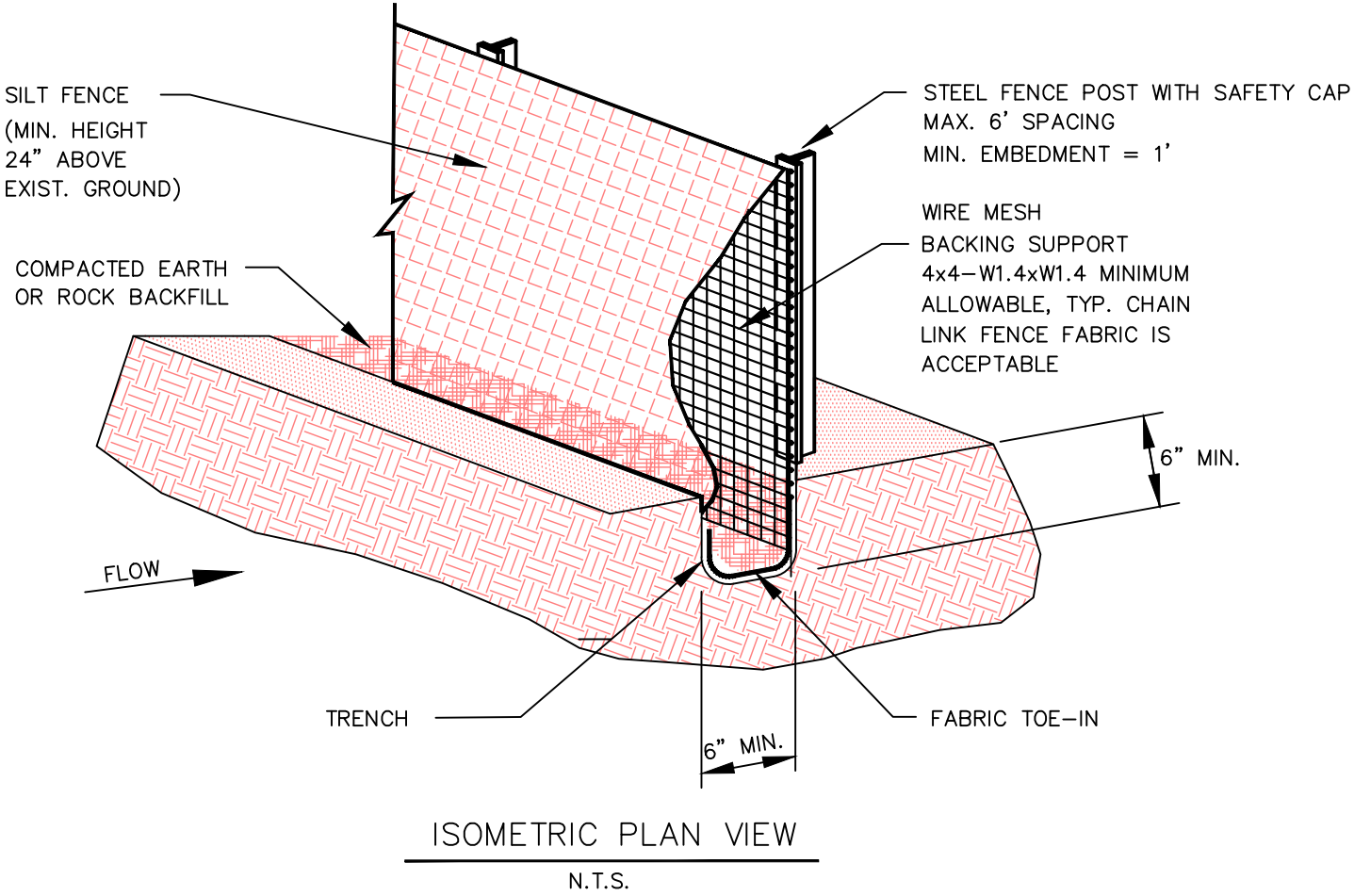


NOTE: STANDARDS ARE ADOPTED FROM THE NCTCOG STANDARD DRAWINGS DATED NOV. '96, WITH LOCAL EXCEPTIONS.

					STANDARD CONSTRUCTION DETAILS	STD. SPEC. REFERENCE
					EROSION AND SEDIMENTATION CONTROL	
					STRAW BALE DIKE	STANDARD DETAIL 1010
					CITY OF COPPELL DALLAS COUNTY, TEXAS	
NO.	LOCAL EXCEPTION	BY	DATE			

NOTES:

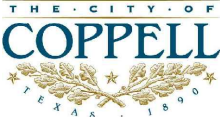
1. STEEL POSTS WITH SAFETY CAP WHICH SUPPORT THE SILT FENCE SHALL BE INSTALLED ON A SLIGHT ANGLE TOWARD THE ANTICIPATED RUNOFF SOURCE. POST MUST BE EMBEDDED A MINIMUM OF ONE FOOT.
2. THE TOE OF THE SILT FENCE SHALL BE TRENCHED IN WITH A SPADE OR MECHANICAL TRENCHER, SO THAT THE DOWNSLOPE FACE OF THE TRENCH IS FLAT AND PERPENDICULAR TO THE LINE OF FLOW. WHERE FENCE CANNOT BE TRENCHED IN (e.g. PAVEMENT), WEIGHT FABRIC FLAP WITH ROCK ON UPHILL SIDE TO PREVENT FLOW FROM SEEPING UNDER FENCE.
3. THE TRENCH MUST BE A MINIMUM OF 6 INCHES DEEP AND 6 INCHES WIDE TO ALLOW FOR THE SILT FENCE FABRIC TO BE LAID IN THE GROUND AND BACKFILLED WITH COMPACTED MATERIAL.
4. SILT FENCE SHOULD BE SECURELY FASTENED TO EACH STEEL SUPPORT POST OR TO WOVEN WIRE, WHICH IN TURN IS ATTACHED TO THE STEEL FENCE POST. THERE SHALL BE A 3 FOOT OVERLAP, SECURELY FASTENED WHERE ENDS OF FABRIC MEET.
5. CONTRACTOR SHALL INSPECT SILT FENCE EVERY TWO WEEKS AND AFTER EACH 1/2" RAINFALL. REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
6. SILT FENCE SHALL BE REMOVED WHEN THE SITE IS COMPLETELY STABILIZED SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.
7. ACCUMULATED SILT SHALL BE REMOVED WHEN IT REACHES A DEPTH OF HALF THE HEIGHT OF THE FENCE. THE SILT SHALL BE DISPOSED OF AT AN APPROVED SITE AND IN SUCH A MANNER AS TO NOT CONTRIBUTE TO ADDITIONAL SILTATION.
8. SILT FENCING SHALL CONFORM TO T.P.D.E.S. AND T.C.E.Q. REQUIREMENTS.



North Central Texas Council of Governments

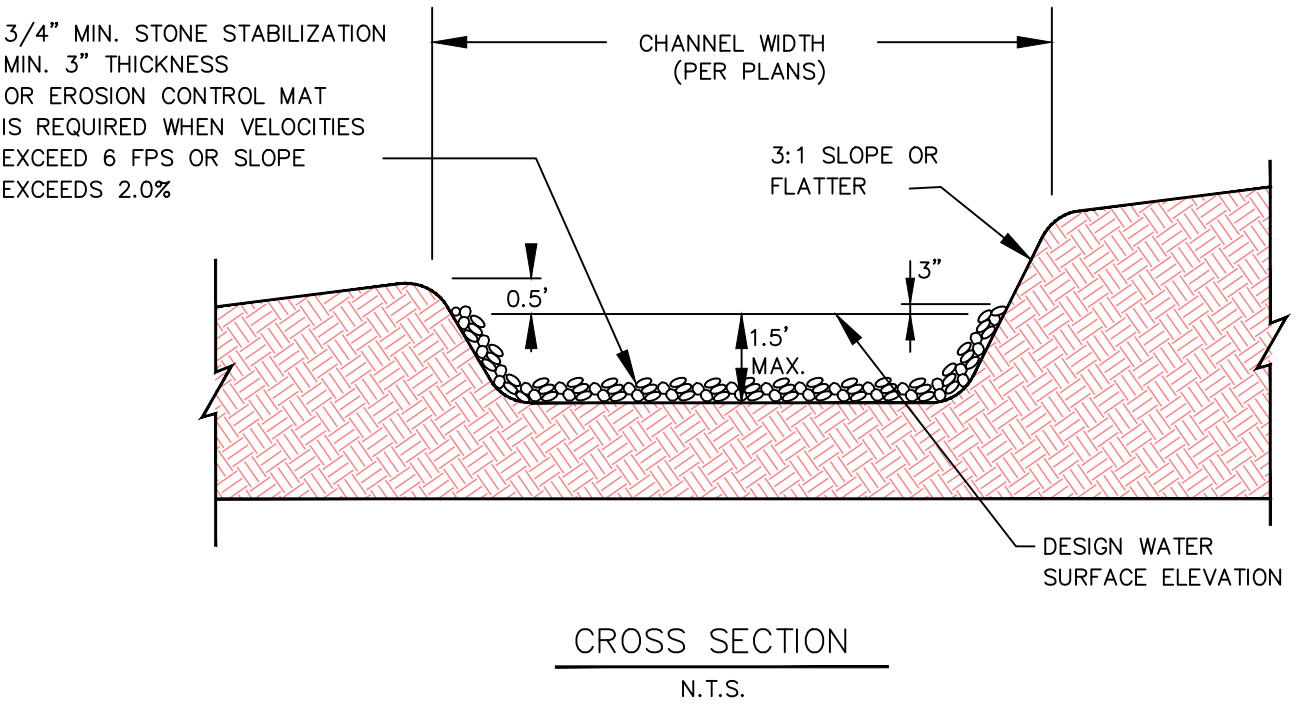
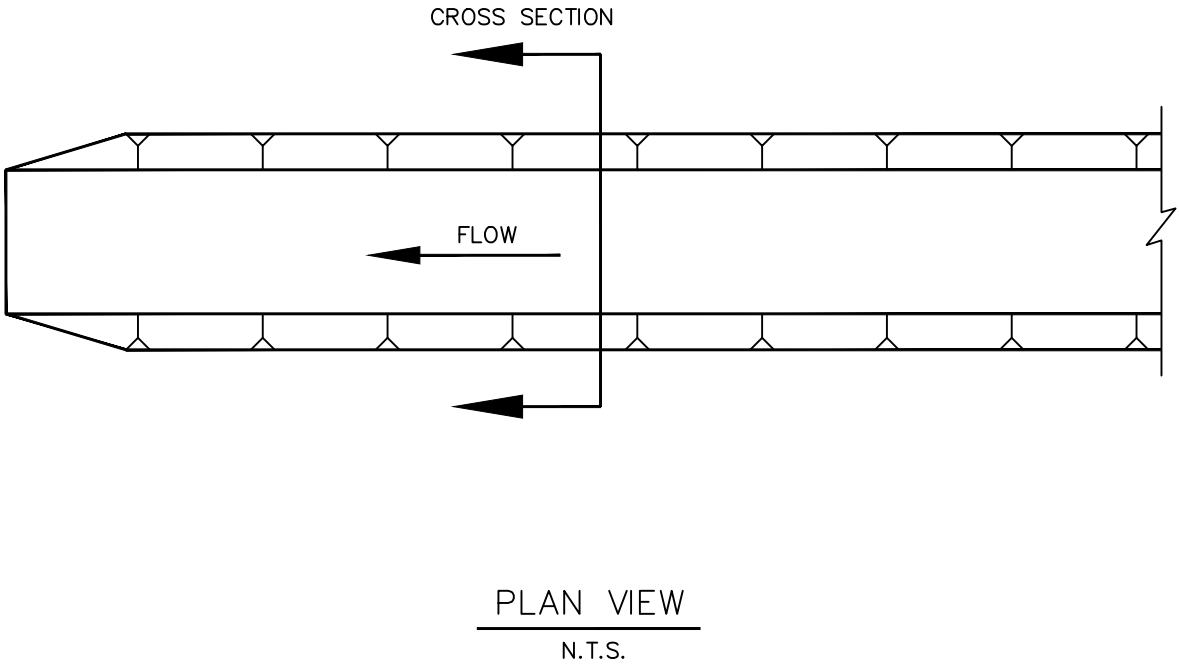


NOTE: STANDARDS ARE ADOPTED FROM THE NCTCOG STANDARD DRAWINGS DATED NOV. '96, WITH LOCAL EXCEPTIONS.

					STANDARD CONSTRUCTION DETAILS	STD. SPEC. REFERENCE 201.5
					EROSION AND SEDIMENTATION CONTROL SILT FENCE	
					CITY OF COPPELL DALLAS COUNTY, TEXAS	STANDARD DETAIL
						1020
NO.	LOCAL EXCEPTION	BY	DATE			

NOTES:


- 1. ALL TREES, BRUSH, STUMPS, OBSTRUCTIONS AND OTHER MATERIAL SHALL BE REMOVED AND DISPOSED OF SO AS NOT TO INTERFERE WITH THE PROPER FUNCTIONING OF THE SWALE.
- 2. THE SWALE SHALL BE EXCAVATED OR SHAPED TO LINE, GRADE AND CROSS-SECTION AS REQUIRED TO MEET CRITERIA SPECIFIED HEREIN AND BE FREE OF BANK PROJECTIONS OR OTHER IRREGULARITIES WHICH WILL IMPEDE NORMAL FLOW.
- 3. ALL EARTH REMOVED AND NOT NEEDED IN CONSTRUCTION SHALL BE DISPOSED OF IN AN APPROVED SPOILS SITE SO THAT IT WILL NOT INTERFERE WITH THE FUNCTIONING OF THE SWALE.
- 4. DIVERTED RUNOFF FROM A DISTURBED OR EXPOSED UPLAND AREA SHALL BE CONVEYED TO A SEDIMENT TRAPPING DEVICE.
- 5. THE ON-SITE LOCATION MAY NEED TO BE ADJUSTED TO MEET FIELD CONDITIONS IN ORDER TO UTILIZE THE MOST SUITABLE OUTLET.
- 6. STABILIZATION IS REQUIRED WHEN VELOCITIES EXCEED 6 FEET PER SECOND OR WHEN GRADES EXCEED 2.0%. STABILIZATION SHALL BE 3/4" MIN. CRUSHED STONE PLACED IN A LAYER OF AT LEAST 3 INCHES THICKNESS OR HIGH VELOCITY EROSION CONTROL MATTING. VEGETATION MAY BE USED FOR VELOCITIES LESS THAN 6 FEET PER SECOND.
- 7. MINIMUM COMPACTION FOR THE SWALE SHALL BE 90 PERCENT STANDARD PROCTOR DENSITY.
- 8. SWALE SHALL CONFORM TO T.P.D.E.S. AND T.C.E.Q. REQUIREMENTS.



North Central Texas Council of Governments

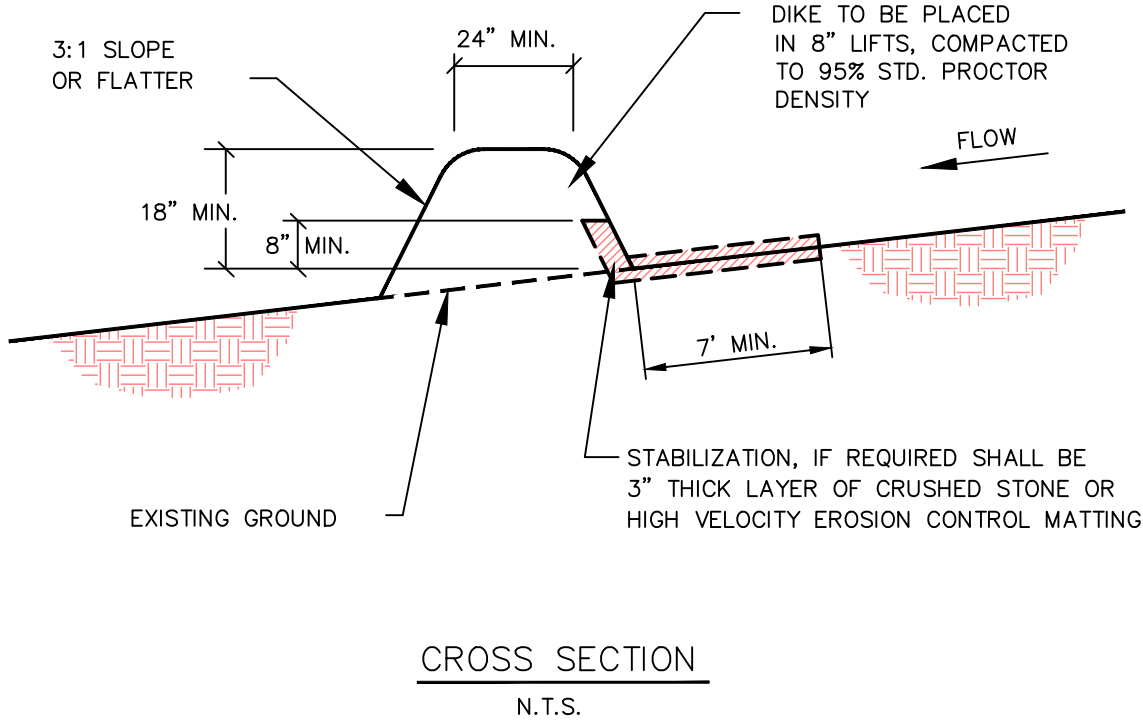
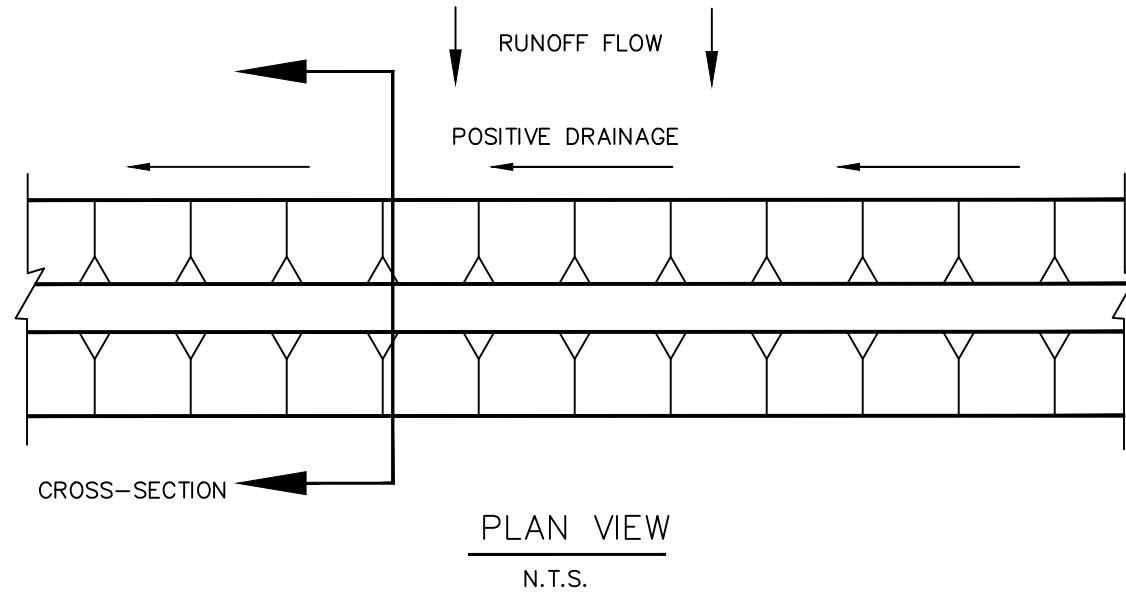


NOTE: STANDARDS ARE ADOPTED FROM THE NCTCOG STANDARD DRAWINGS DATED NOV. '96, WITH LOCAL EXCEPTIONS.

NO.	LOCAL EXCEPTION	BY	DATE		STANDARD CONSTRUCTION DETAILS EROSION AND SEDIMENTATION CONTROL INTERCEPTOR SWALE CITY OF COPPELL DALLAS COUNTY, TEXAS	STD. SPEC. REFERENCE 201.6 STANDARD DETAIL 1030

NOTES:

1. ALL DIKES SHALL BE PLACED IN 8" LIFTS OR LESS AND COMPACTED TO 95% STANDARD PROCTOR DENSITY.
2. ALL DIVERSION DIKES SHALL HAVE POSITIVE DRAINAGE TO A CONTROLLED OUTLET.
3. DIVERTED RUNOFF FROM A PROTECTED OR STABILIZED AREA SHALL BE DIRECTED TO AN UNDISTURBED STABILIZED AREA OR INTO A LEVEL SPREADER OR GRADE STABILIZATION STRUCTURE.
4. DIVERTED RUNOFF FROM A DISTURBED OR EXPOSED AREA SHALL BE CONVEYED TO SEDIMENT TRAP SUCH AS A ROCK BERM, TEMPORARY SEDIMENT TRAP OR SEDIMENT BASIN OR TO AN AREA PROTECTED BY ANY OF THESE MEASURES.
5. STABILIZATION IS REQUIRED WHEN VELOCITIES EXCEED 6 FEET PER SECOND OR WHEN GRADES EXCEED 2.0%. STABILIZATION SHALL BE CRUSHED STONE PLACED IN A LAYER OF AT LEAST 3 INCHES THICKNESS OR HIGH VELOCITY EROSION CONTROL MATTING. VEGETATION MAY BE USED FOR VELOCITIES LESS THAN 6 FEET PER SECOND.
6. CONTRACTOR SHALL INSPECT DIVERSION DIKE EVERY TWO WEEKS AND AFTER EACH 1/2" RAINFALL. REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
7. DIVERSION DIKE SHALL CONFORM TO T.P.D.E.S. AND T.C.E.Q. REQUIREMENTS.



North Central Texas Council of Governments

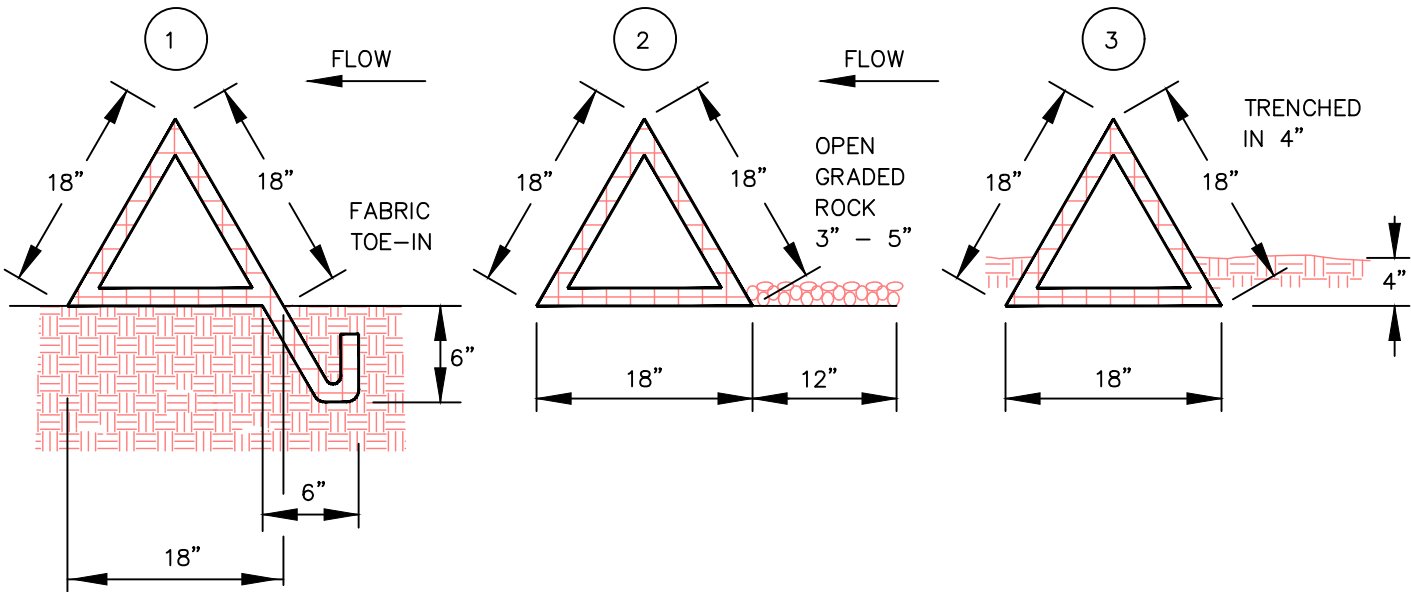


NOTE: STANDARDS ARE ADOPTED FROM THE NCTCOG STANDARD DRAWINGS DATED NOV. '96, WITH LOCAL EXCEPTIONS.

					STANDARD CONSTRUCTION DETAILS	STD. SPEC. REFERENCE 201.7 STANDARD DETAIL 1040
					EROSION AND SEDIMENTATION CONTROL	
					DIVERSION DIKE	
					CITY OF COPPELL DALLAS COUNTY, TEXAS	
NO.	LOCAL EXCEPTION	BY	DATE			

NOTES:

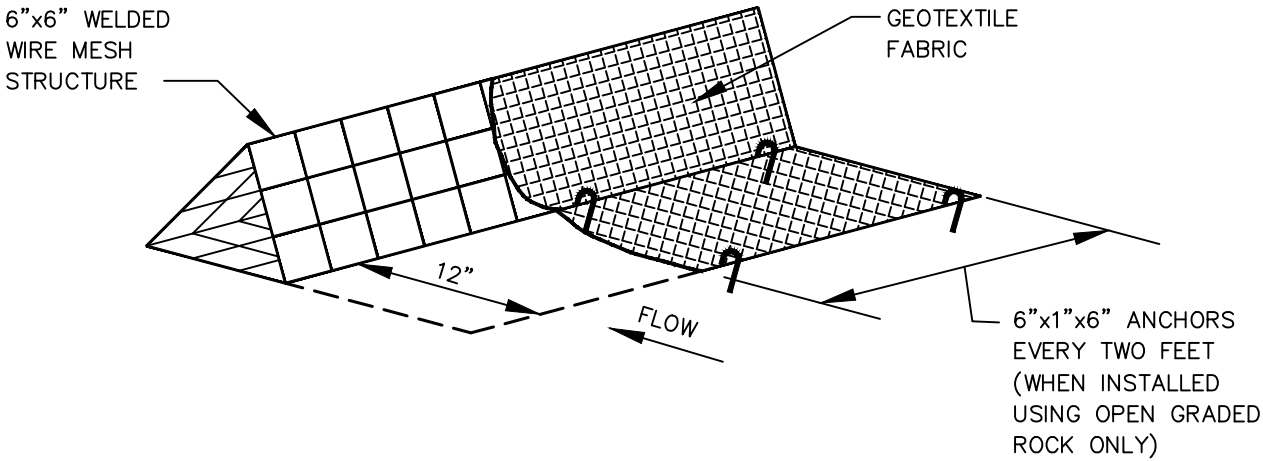
- 1. DIKES SHALL BE PLACED IN A ROW WITH ENDS TIGHTLY ABUTTING THE ADJACENT DIKE.
- 2. THE FABRIC COVER AND SKIRT SHALL BE A CONTINUOUS EXTENSION OF THE FABRIC ON THE UPSTREAM FACE, AND FABRIC SHALL BE OVERLAPPED A MINIMUM OF 12".
- 3. THE SKIRT SHALL BE WEIGHTED WITH A CONTINUOUS LAYER OF TYPE 'A' RIP RAP, OR TOED-IN 6" WITH MECHANICALLY COMPACTED MATERIAL. OTHERWISE, THE ENTIRE STRUCTURE SHALL BE TRENCHED TO A DEPTH OF 4 INCHES.
- 4. DIKES AND SKIRT SHALL BE SECURELY ANCHORED IN PLACE USING 6-INCH WIRE STAPLES ON 2-FOOT CENTERS ON BOTH EDGES AND SKIRTS.
- 5. FILTER MATERIAL SHALL BE LAPPED OVER ENDS 6" TO COVER DIKE TO DIKE JOINTS. JOINTS SHALL BE FASTENED WITH GALVANIZED SHOAT RINGS.
- 6. THE DIKE STRUCTURE SHALL BE 6 GA. 6" X 6" WIRE MESH, 18" ON A SIDE.
- 7. CONTRACTOR SHALL INSPECT FILTER DIKE EVERY TWO WEEKS AND AFTER EACH 1/2" RAINFALL. REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
- 8. ACCUMULATED SILT SHALL BE REMOVED WHEN IT REACHES APPROXIMATELY ONE-HALF THE HEIGHT OF THE DIKE, AND DISPOSED OF IN A MANNER WHICH WILL NOT CAUSE ADDITIONAL SILTATION.
- 9. AFTER THE DISTURBED AREAS OF THE SITE ARE COMPLETELY STABILIZED, THE DIKES AND ANY REMAINING SILT SHALL BE REMOVED. SILT SHALL BE DISPOSED OF AS INDICATED IN NO. 8 ABOVE.
- 10. FILTER DIKE SHALL CONFORM TO T.P.D.E.S. AND T.C.E.Q. REQUIREMENTS.



CROSS SECTION OF INSTALLATION OPTIONS

N.T.S.

- 1. TOE-IN 6" MIN.
- 2. WEIGHTED W/ 3" - 5" OPEN GRADED ROCK
- 3. TRENCHED IN 4"



ISOMETRIC PLAN VIEW

N.T.S.

North Central Texas Council of Governments



NOTE: STANDARDS ARE ADOPTED FROM THE NCTCOG STANDARD DRAWINGS DATED NOV. '96, WITH LOCAL EXCEPTIONS.

NO.	LOCAL EXCEPTION	BY	DATE

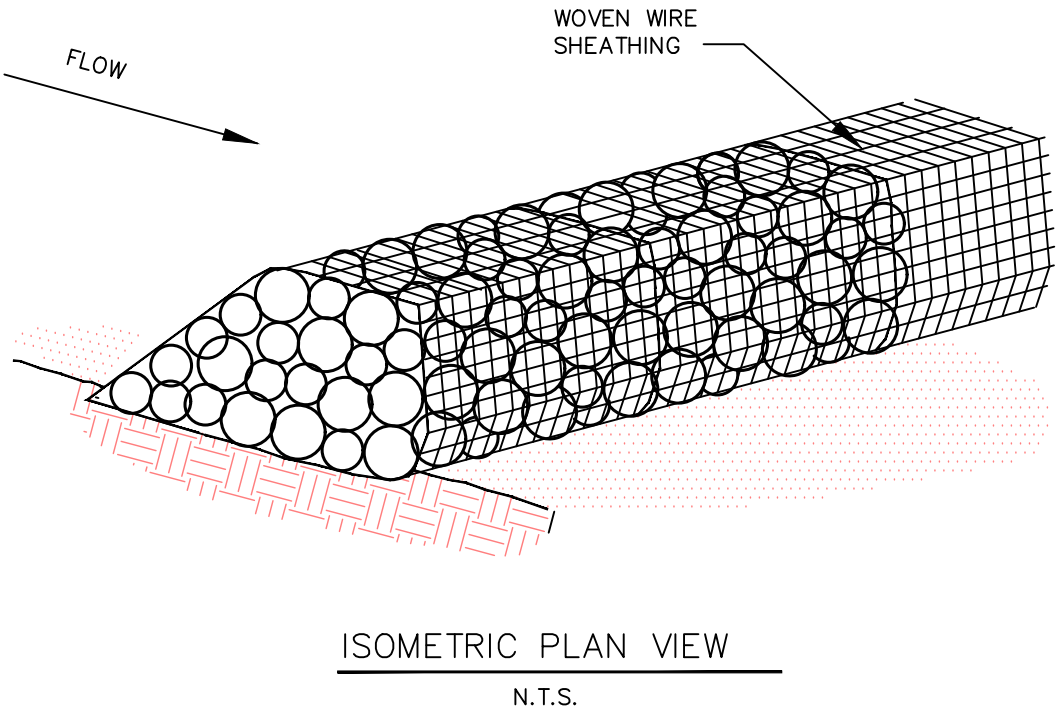
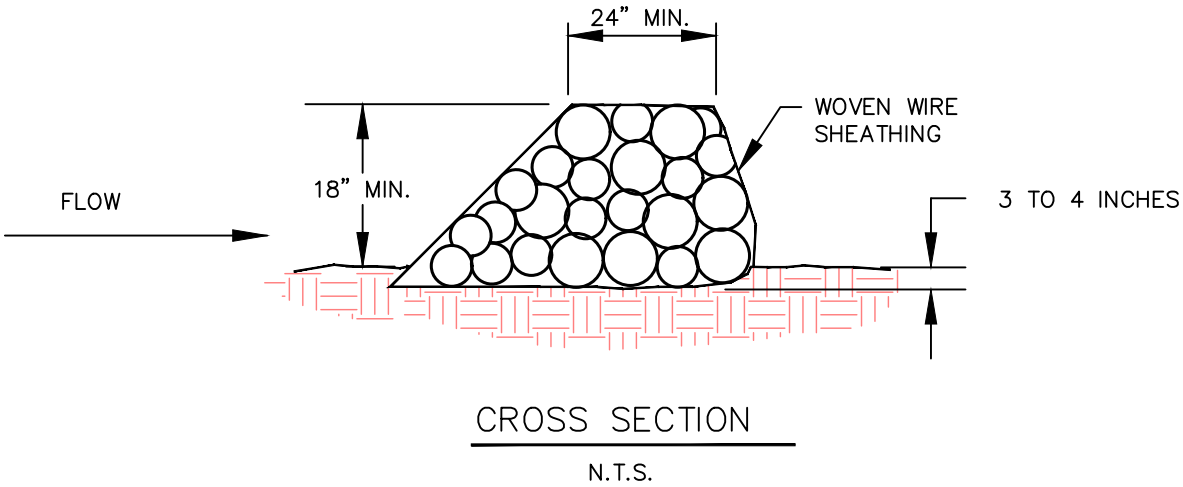


STANDARD CONSTRUCTION DETAILS
EROSION AND SEDIMENTATION CONTROL
TRIANGULAR SEDIMENT FILTER DIKE
CITY OF COPPELL DALLAS COUNTY, TEXAS

STD. SPEC. REFERENCE
201.8
STANDARD DETAIL
1050

NOTES:


- 1. USE ONLY OPEN GRADED ROCK 4–8 INCHES IN DIAMETER FOR STREAM FLOW CONDITION. USE OPEN GRADED ROCK 3–5 INCHES IN DIAMETER FOR OTHER CONDITIONS.
- 2. THE ROCK BERM SHALL BE SECURED WITH A WOVEN WIRE SHEATHING HAVING A MAXIMUM OPENING OF 1 INCH AND A MINIMUM WIRE SIZE OF 20 GAUGE AND SHALL BE BURIED IN A TRENCH APPROXIMATELY 3 TO 4 INCHES DEEP.
- 3. THE ROCK BERM SHALL BE INSPECTED EVERY TWO WEEKS OR AFTER EACH 1/2" RAIN EVENT AND SHALL BE REPLACED WHEN THE STRUCTURE CEASES TO FUNCTION AS INTENDED DUE TO SILT ACCUMULATION AMONG THE ROCKS, WASHOUT, CONSTRUCTION TRAFFIC DAMAGE, ETC.
- 4. WHEN SILT REACHES A DEPTH EQUAL TO ONE–THIRD OF THE HEIGHT OF THE BERM OR ONE FOOT, WHICHEVER IS LESS, THE SILT SHALL BE REMOVED AND DISPOSED OF PROPERLY.
- 5. WHEN THE SITE IS COMPLETELY STABILIZED, THE BERM AND ACCUMULATED SILT SHALL BE REMOVED AND DISPOSED OF IN AN APPROVED MANNER.
- 6. ROCK BERM SHOULD BE USED AS CHECK DAMS FOR CONCENTRATED FLOW AND ARE NOT INTENDED FOR USE IN PERIMETER PROTECTION.
- 7. ROCK BERM SHALL CONFORM TO T.P.D.E.S. AND T.C.E.Q. REQUIREMENTS.



North Central Texas Council of Governments

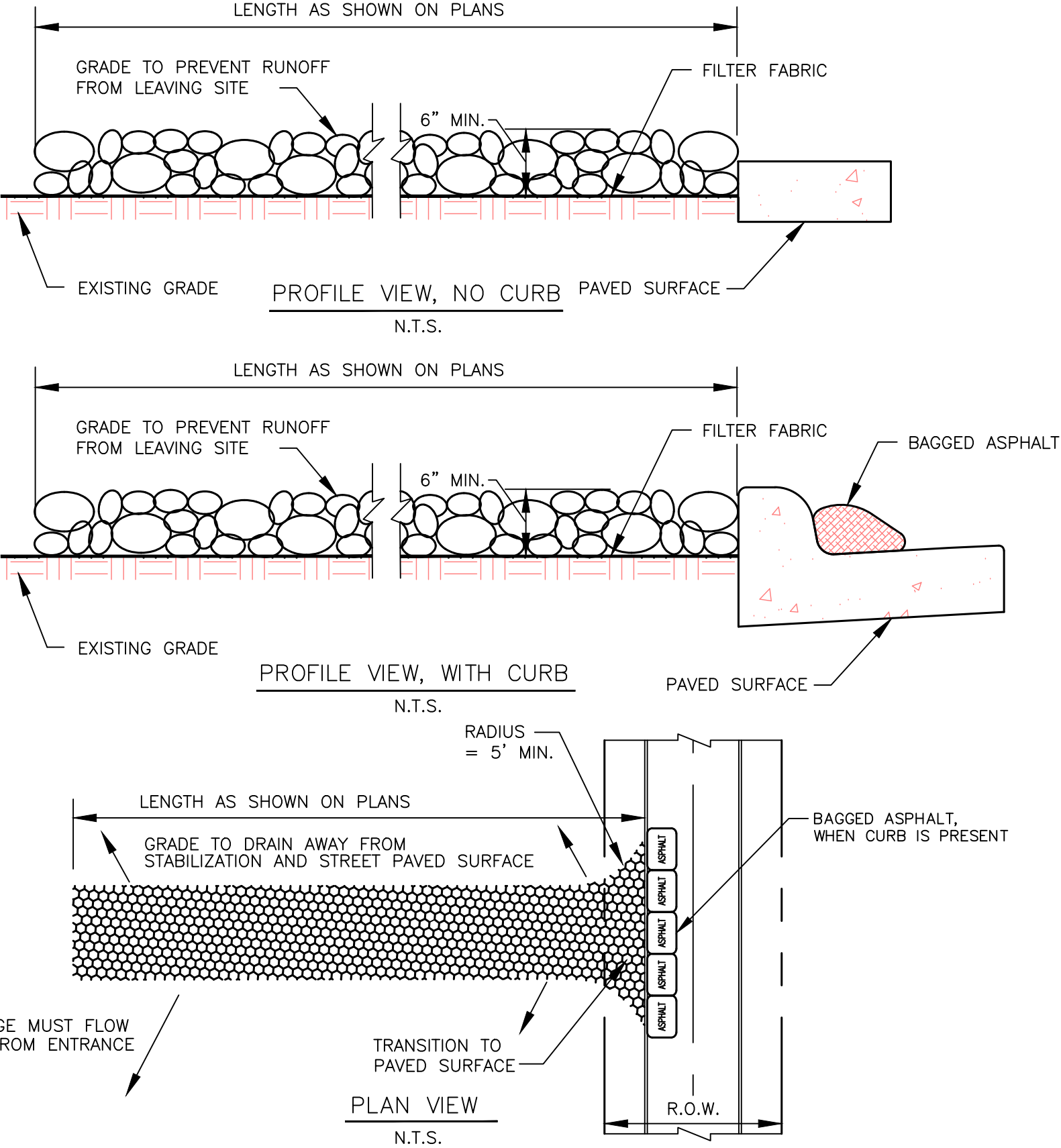


NOTE: STANDARDS ARE ADOPTED FROM THE NCTCOG STANDARD DRAWINGS DATED NOV. '96, WITH LOCAL EXCEPTIONS.

					STANDARD CONSTRUCTION DETAILS	STD. SPEC. REFERENCE 201.9
					EROSION AND SEDIMENTATION CONTROL	
					ROCK BERM	STANDARD DETAIL 1060
					CITY OF COPPELL DALLAS COUNTY, TEXAS	
NO.	LOCAL EXCEPTION	BY	DATE			

NOTES:


- 1. STONE SHALL BE 3 TO 5 INCH DIAMETER CRUSHED ROCK OR ACCEPTABLE CRUSHED PORTLAND CEMENT CONCRETE.
- 2. LENGTH SHALL BE SHOWN ON PLANS, WITH A MINIMUM LENGTH OF 30 FEET FOR LOTS WHICH ARE LESS THAN 150 FEET FROM EDGE OF PAVEMENT. THE MINIMUM DEPTH IN ALL OTHER CASES SHALL BE 50 FEET.
- 3. THE THICKNESS SHALL NOT BE LESS THAN 6 INCHES.
- 4. THE WIDTH SHALL BE NO LESS THAN THE FULL WIDTH OF ALL POINTS OF INGRESS OR EGRESS.
- 5. WHEN NECESSARY, VEHICLES SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO A PUBLIC ROADWAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE WITH DRAINAGE FLOWING AWAY FROM BOTH THE STREET AND THE STABILIZED ENTRANCE. ALL SEDIMENT SHALL BE PREVENTED FROM ENTERING ANY STORM DRAIN, DITCH OR WATERCOURSE USING APPROVED METHODS.
- 6. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PAVED SURFACES. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND. ALL SEDIMENT SPILLED, DROPPED, WASHED, OR TRACKED ONTO PAVED SURFACES MUST BE REMOVED IMMEDIATELY.
- 7. THE ENTRANCE MUST BE PROPERLY GRADED OR INCORPORATE A DRAINAGE SWALE TO PREVENT RUNOFF FROM LEAVING THE CONSTRUCTION SITE.
- 8. CONSTRUCTION ENTRANCE SHALL CONFORM TO T.P.D.E.S. AND T.C.E.Q. REQUIREMENTS.
- 9. DAMAGED CURB SHALL BE REPAIRED PER STANDARD CONSTRUCTION DETAIL 2120.
- 10. DRAINAGE IN GUTTERLINE MUST BE MAINTAINED AT ALL TIMES.



North Central Texas Council of Governments

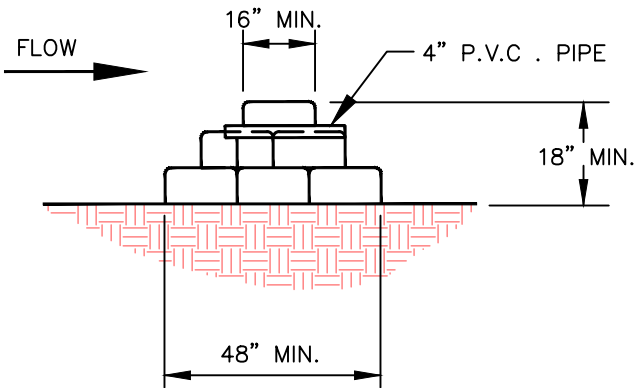


NOTE: STANDARDS ARE ADOPTED FROM THE NCTCOG STANDARD DRAWINGS DATED NOV. '96, WITH LOCAL EXCEPTIONS.

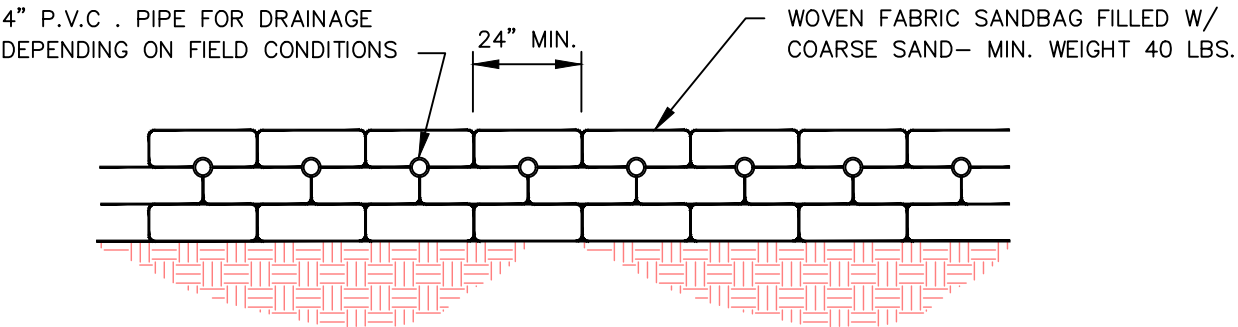
NO.	LOCAL EXCEPTION	BY	DATE		STANDARD CONSTRUCTION DETAILS EROSION AND SEDIMENTATION CONTROL STABILIZED CONSTRUCTION ENTRANCE CITY OF COPPELL DALLAS COUNTY, TEXAS	STD. SPEC. REFERENCE 201., 203. STANDARD DETAIL 1070

NOTES:

- 1. WHEN A SANDBAG IS FILLED WITH MATERIAL, THE OPEN END OF THE SANDBAG SHOULD BE STAPLED OR TIED WITH NYLON OR POLY CORD.
- 2. SANDBAGS SHOULD BE STACKED IN AT LEAST THREE ROWS ABUTTING EACH OTHER, AND IN STAGGERED ARRANGEMENT.
- 3. THE BASE OF THE BERM SHOULD HAVE AT LEAST 3 SANDBAGS. THESE CAN BE REDUCED TO 2 AND 1 BAG IN THE SECOND AND THIRD ROWS RESPECTIVELY.
- 4. FOR EACH ADDITIONAL 6" OF HEIGHT, AN ADDITIONAL SANDBAG MUST BE ADDED TO EACH ROW WIDTH.
- 5. THE SANDBAG BERM SHALL BE INSPECTED AFTER EACH 1/2" RAIN EVENT AND SHALL BE RESHAPED OR REPLACED AS NEEDED DURING INSPECTION. REPAIRS SHALL BE MADE FOR WASHOUT, CONSTRUCTION TRAFFIC DAMAGE, ETC.
- 6. WHEN SILT REACHES A DEPTH EQUAL TO 6 INCHES (THE HEIGHT OF ONE SANDBAG), THE SILT SHALL BE REMOVED AND DISPOSED OF AT AN APPROVED SITE AND IN SUCH A MANNER AS TO NOT CREATE A SILTATION PROBLEM.
- 7. WHEN THE SITE IS COMPLETELY STABILIZED, THE BERM AND ACCUMULATED SEDIMENT SHALL BE REMOVED AND DISPOSED OF IN AN APPROVED MANNER.
- 8. SANDBAG BERM SHALL CONFORM TO T.P.D.E.S. AND T.C.E.Q. REQUIREMENTS.



CROSS SECTION
N.T.S.




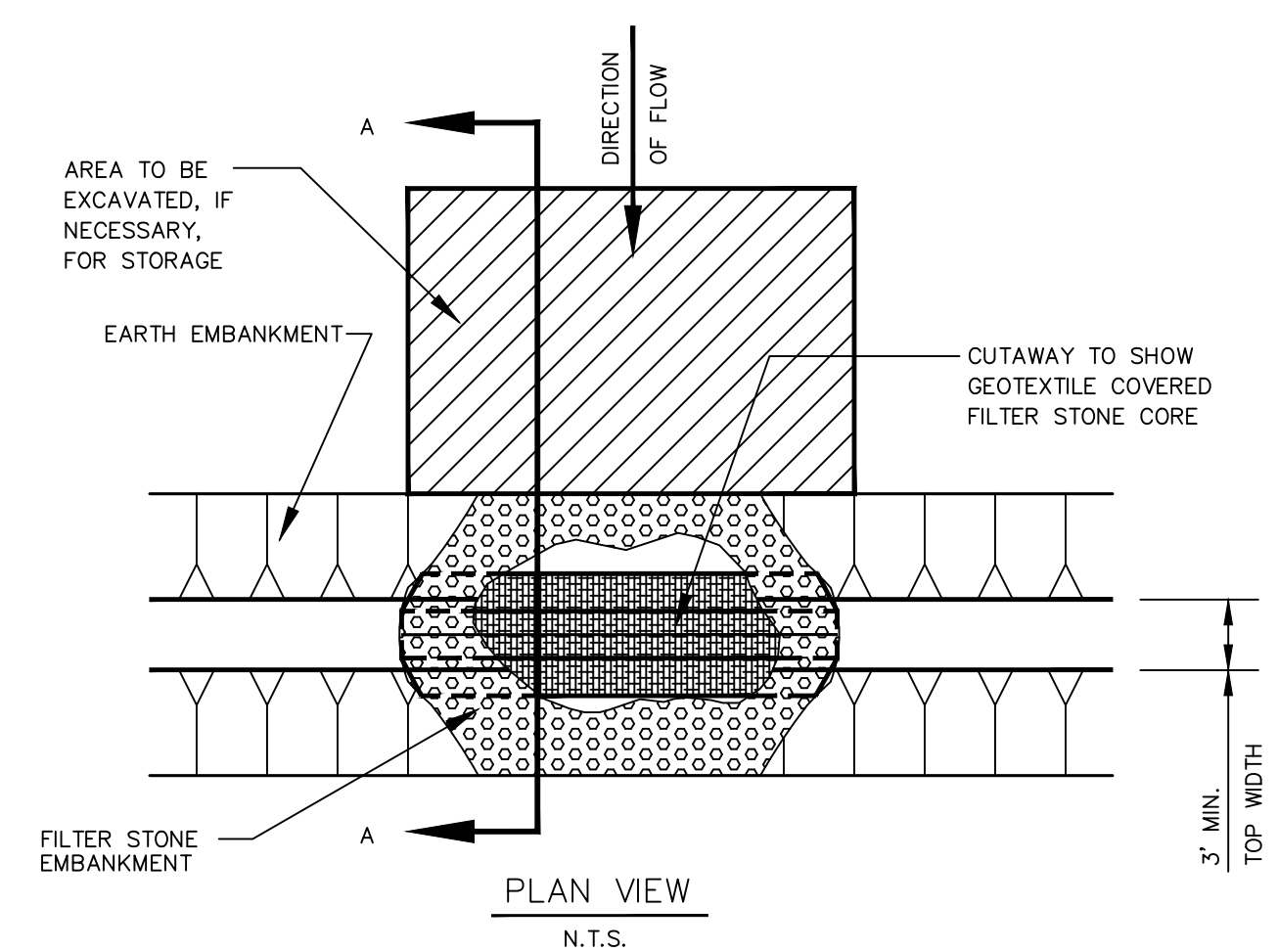
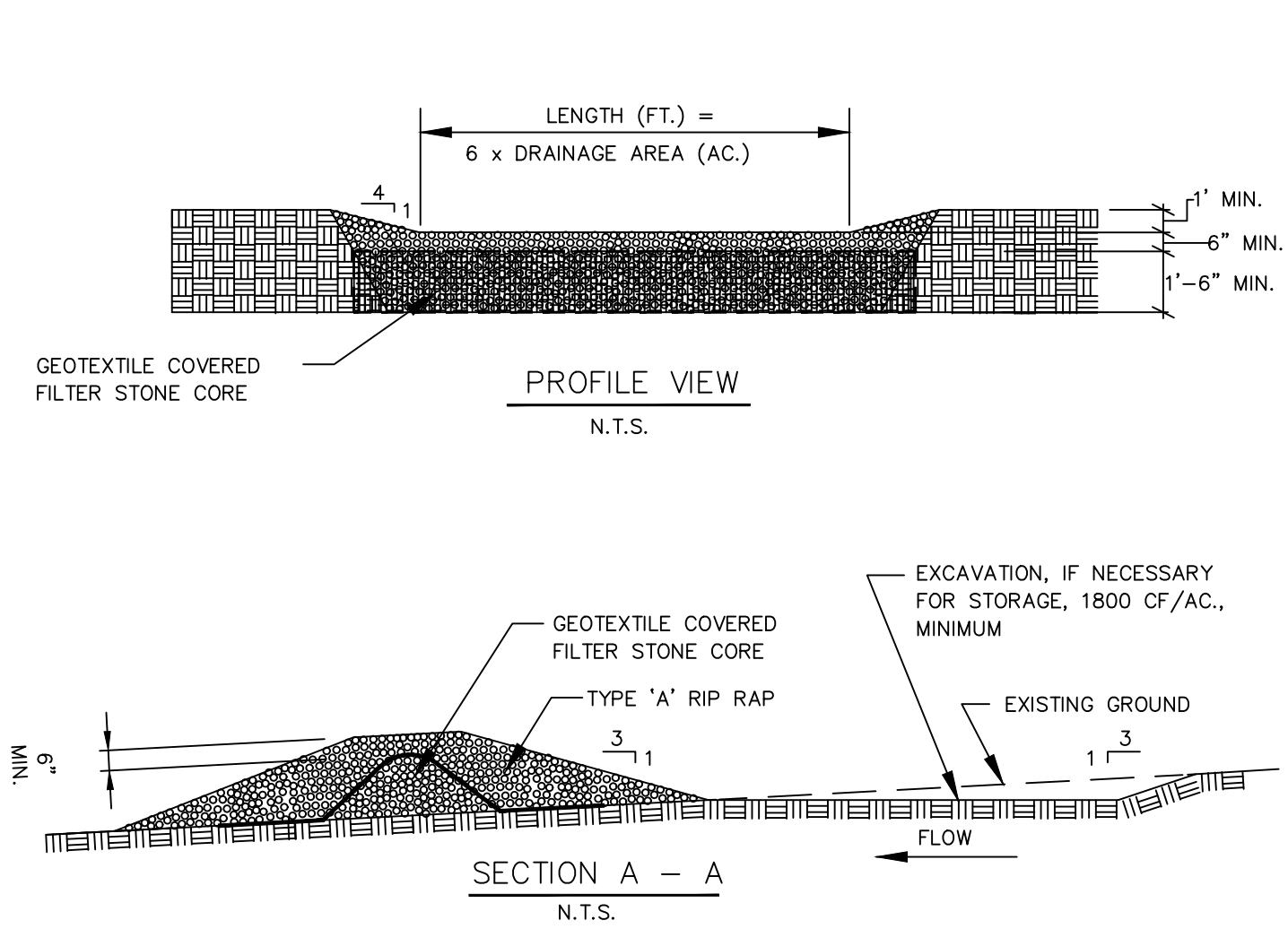
PROFILE VIEW
N.T.S.

North Central Texas Council of Governments




NOTE: STANDARDS ARE ADOPTED FROM THE NCTCOG STANDARD DRAWINGS DATED NOV. '96, WITH LOCAL EXCEPTIONS.


					STANDARD CONSTRUCTION DETAILS	STD. SPEC. REFERENCE 201.
					EROSION AND SEDIMENTATION CONTROL SANDBAG BERM	
					CITY OF COPPELL DALLAS COUNTY, TEXAS	STANDARD DETAIL 1080
NO.	LOCAL EXCEPTION	BY	DATE			

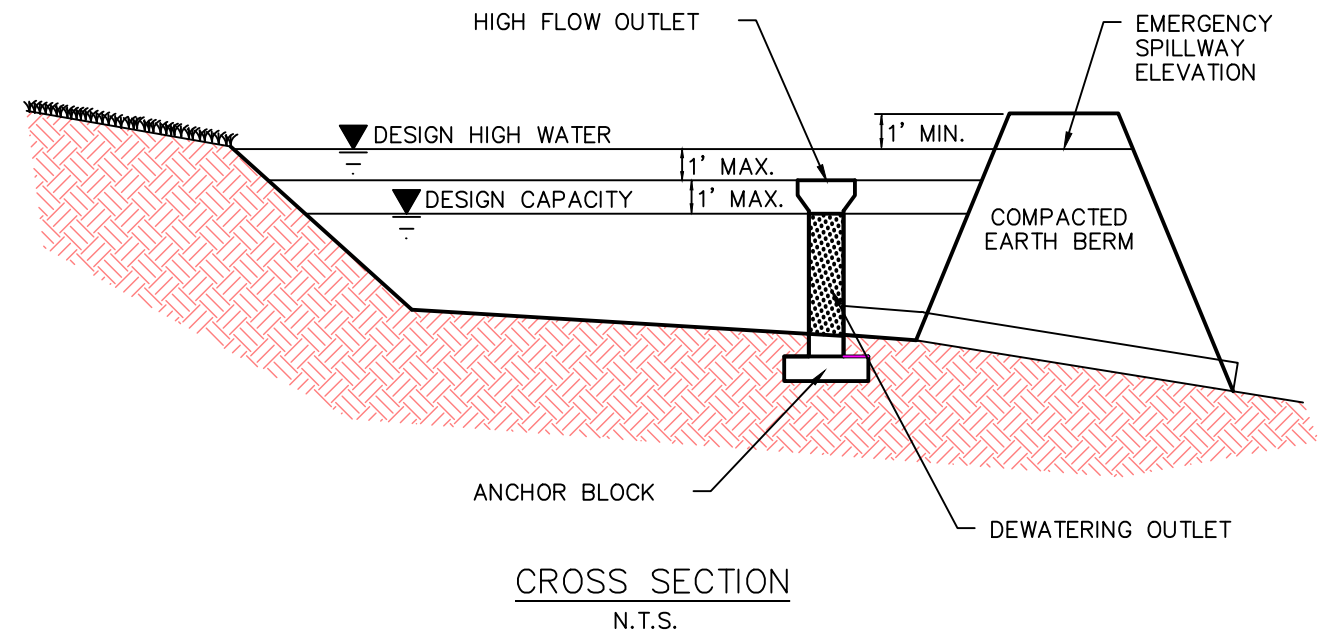
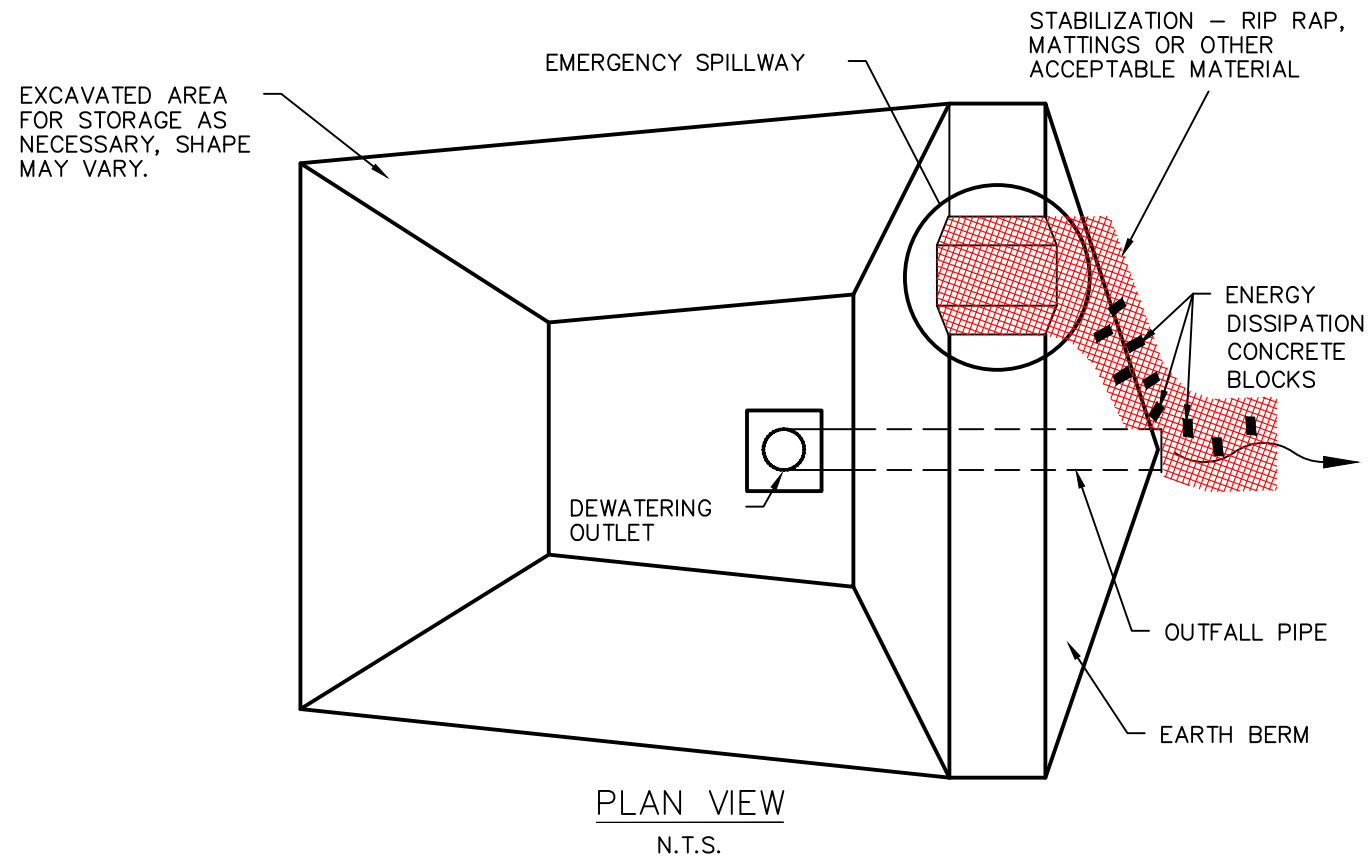


NOTE:
 STONE OUTLET SEDIMENT TRAP SHALL CONFORM TO T.P.D.E.S. AND T.C.E.Q. REQUIREMENTS.

North Central Texas Council of Governments

 NOTE: STANDARDS ARE ADOPTED FROM THE NCTCOG STANDARD DRAWINGS DATED NOV. '96, WITH LOCAL EXCEPTIONS.

					STANDARD CONSTRUCTION DETAILS	STD. SPEC. REFERENCE 201.
					EROSION AND SEDIMENTATION CONTROL STONE OUTLET SEDIMENT TRAP	
NO.	LOCAL EXCEPTION	BY	DATE		CITY OF COPPELL DALLAS COUNTY, TEXAS	




NOTES:

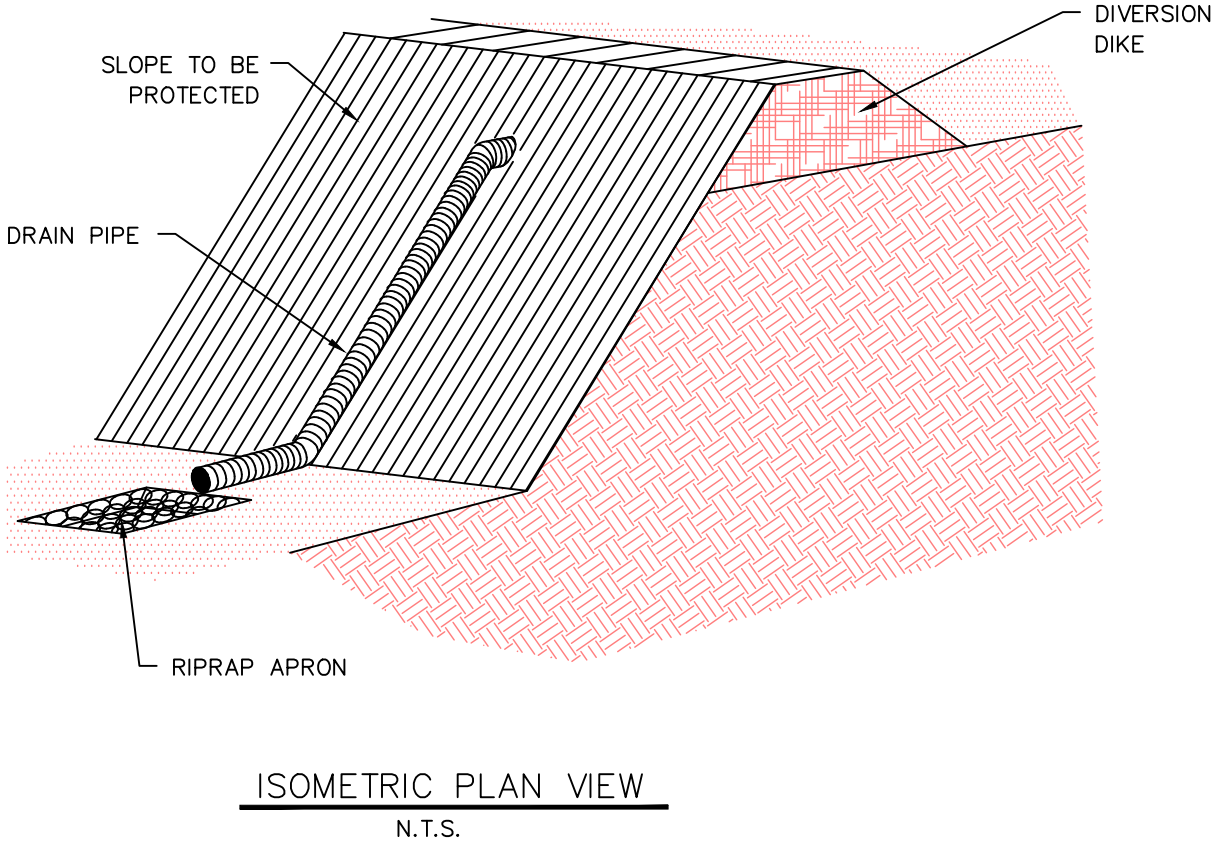
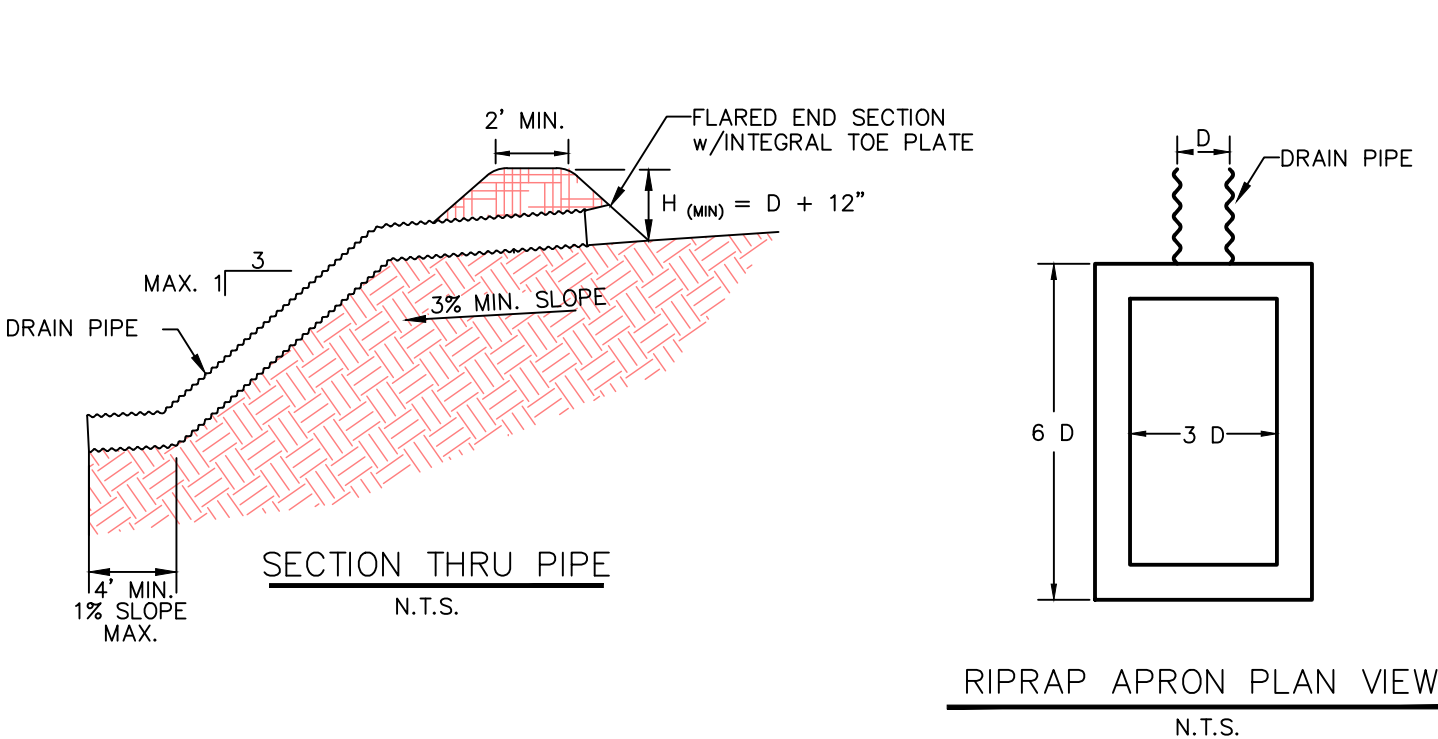
1. MAXIMUM DRAINAGE AREA CONTRIBUTING TO THE BASIN SHALL BE 10 ACRES.
2. MINIMUM CAPACITY OF THE BASIN SHALL PROVIDE STORAGE FOR THE CALCULATED VOLUME OF RUNOFF FROM A 2-YEAR, 24-HOUR STORM PER DISTURBED ACRE OF DRAINAGE AREA. WHERE NO SUCH CALCULATION HAS BEEN PERFORMED, THE MINIMUM CAPACITY OF THE BASIN SHALL BE 3600 CUBIC FEET PER DISTURBED ACRE OF CONTRIBUTING DRAINAGE AREA.
3. SEDIMENT BASIN SHALL CONFORM TO T.P.D.E.S. AND T.C.E.Q. REQUIREMENTS.

North Central Texas Council of Governments



NOTE: STANDARDS ARE ADOPTED FROM THE NCTCOG STANDARD DRAWINGS DATED NOV. '96, WITH LOCAL EXCEPTIONS.

					STANDARD CONSTRUCTION DETAILS	STD. SPEC. REFERENCE
					EROSION AND SEDIMENTATION CONTROL	
					SEDIMENT BASIN	STANDARD DETAIL 1100
NO.	LOCAL EXCEPTION	BY	DATE			CITY OF COPPELL DALLAS COUNTY, TEXAS



- NOTES:**
1. RIPRAP SHALL CONSIST OF 50 TO 150 POUND STONES PLACED IN A LAYER OF NOT LESS THAN 12 INCHES. THE DEPTH OF THE APRON SHALL EQUAL THE PIPE DIAMETER, BUT IN NO CASE SHALL IT BE LESS THAN 12 INCHES IN DEPTH.
 2. PIPE SLOPE DRAIN SHALL CONFORM TO T.P.D.E.S. AND T.C.E.Q. REQUIREMENTS.

North Central Texas Council of Governments

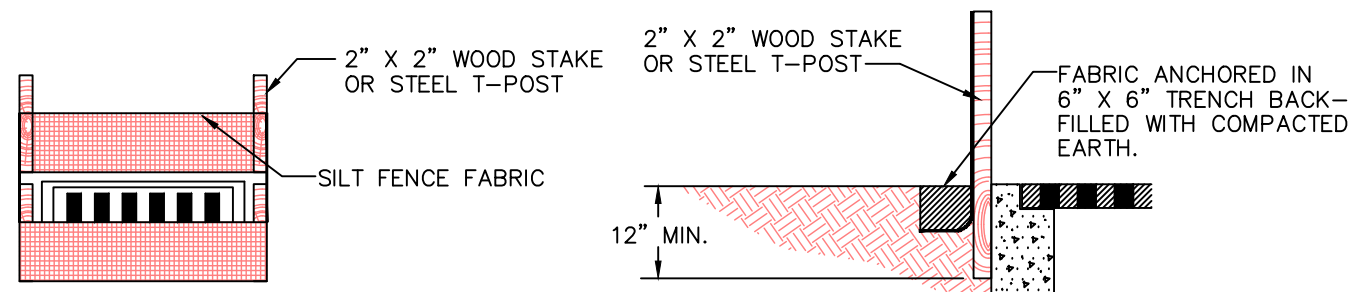
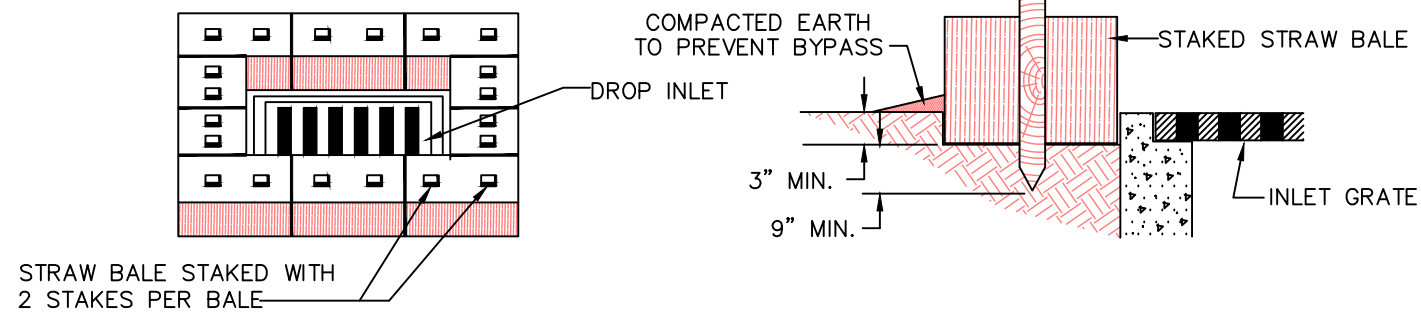
NOTE: STANDARDS ARE ADOPTED FROM THE NCTCOG STANDARD DRAWINGS DATED NOV. '96, WITH LOCAL EXCEPTIONS.

NO.	LOCAL EXCEPTION	BY	DATE			

THE CITY OF
COPPELL
TEXAS 1890

STANDARD CONSTRUCTION DETAILS
EROSION AND SEDIMENTATION CONTROL
PIPE SLOPE DRAIN
CITY OF COPPELL DALLAS COUNTY, TEXAS

STD. SPEC. REFERENCE
201.
STANDARD DETAIL
1110



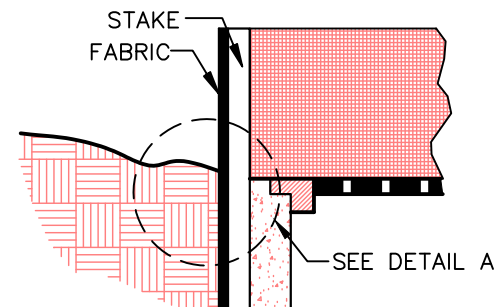
I. STANDARD INSTALLATION

STRAW BALE PROTECTION

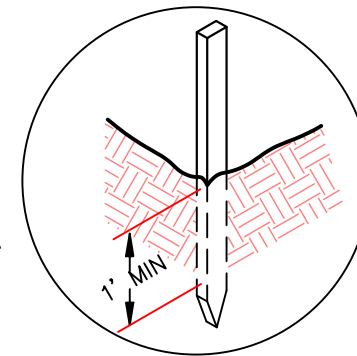
N.T.S.

NOTE:

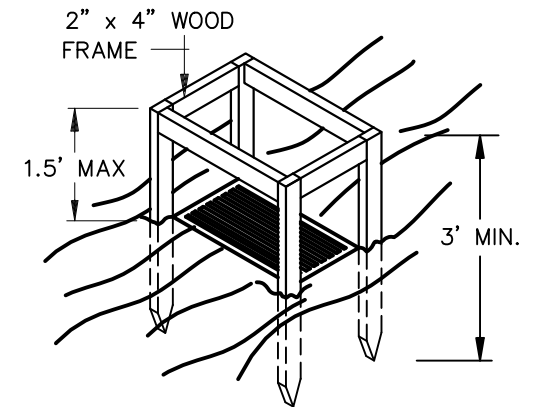
GRATE INLET FILTER BARRIER SHALL CONFORM TO T.P.D.E.S. AND T.C.E.Q. REQUIREMENTS.



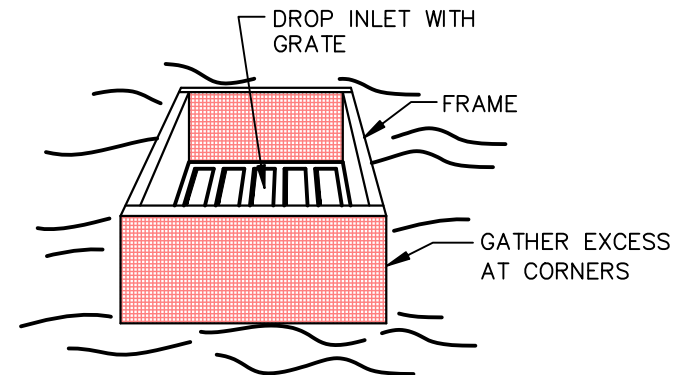
ELEVATION OF STAKE AND FABRIC ORIENTATION



DETAIL A



PERSPECTIVE VIEW



PERSPECTIVE VIEW

SPECIFIC APPLICATION

THIS METHOD OF INLET PROTECTION IS APPLICABLE WHERE THE INLET DRAINS A RELATIVELY FLAT AREA (SLOPE NO GREATER THAN 5%) WHERE THE INLET SHEET OR OVERLAND FLOWS (NOT TO EXCEED 1 C.F.S.) ARE TYPICAL. THE METHOD SHALL NOT APPLY TO INLETS RECEIVING CONCENTRATED FLOWS, SUCH AS IN STREETS OR HIGHWAY MEDIANS.

II. ALTERNATE INSTALLATION

FILTER FABRIC PROTECTION

N.T.S.

North Central Texas Council of Governments



NOTE: STANDARDS ARE ADOPTED FROM THE NCTCOG STANDARD DRAWINGS DATED NOV. '96, WITH LOCAL EXCEPTIONS.



STANDARD CONSTRUCTION DETAILS

EROSION AND SEDIMENTATION CONTROL

GRATE INLET FILTER BARRIER

CITY OF COPPELL DALLAS COUNTY, TEXAS

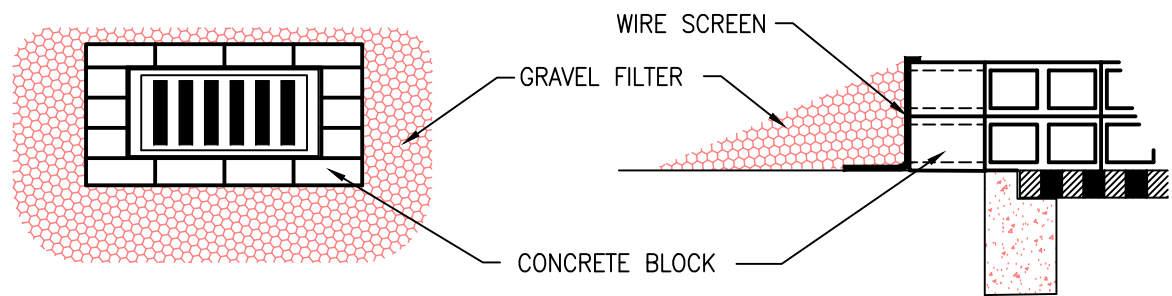
STD. SPEC. REFERENCE

201.

STANDARD DETAIL

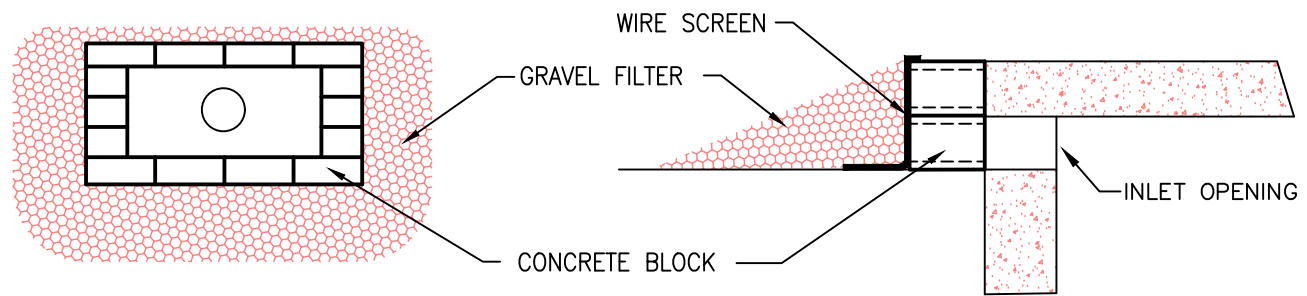
1120

NO.	LOCAL EXCEPTION	BY	DATE



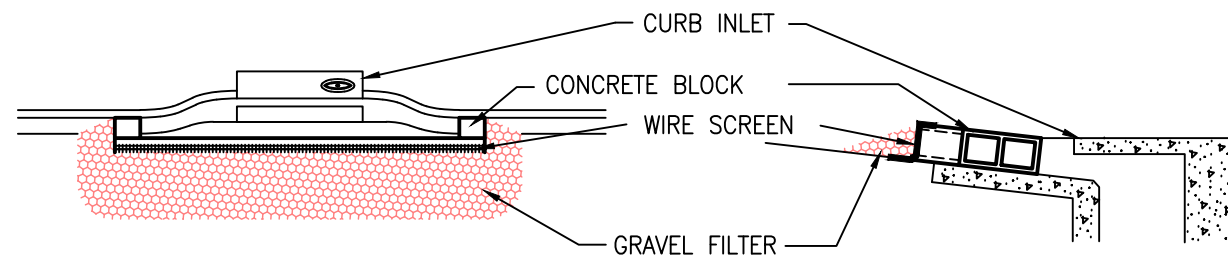
GRATE INLET PROTECTION

N.T.S.



DROP INLET PROTECTION

N.T.S.



CURB INLET PROTECTION (SHALL NOT BE USED IN ROADWAY)

N.T.S.

NOTE:

INLET PROTECTION SHALL CONFORM TO T.P.D.E.S. AND T.C.E.Q. REQUIREMENTS.

North Central Texas Council of Governments



NOTE: STANDARDS ARE ADOPTED FROM THE NCTCOG STANDARD DRAWINGS DATED NOV. '96, WITH LOCAL EXCEPTIONS.



STANDARD CONSTRUCTION DETAILS

EROSION AND SEDIMENTATION CONTROL

INLET PROTECTION: BLOCK AND GRAVEL

CITY OF COPPELL DALLAS COUNTY, TEXAS

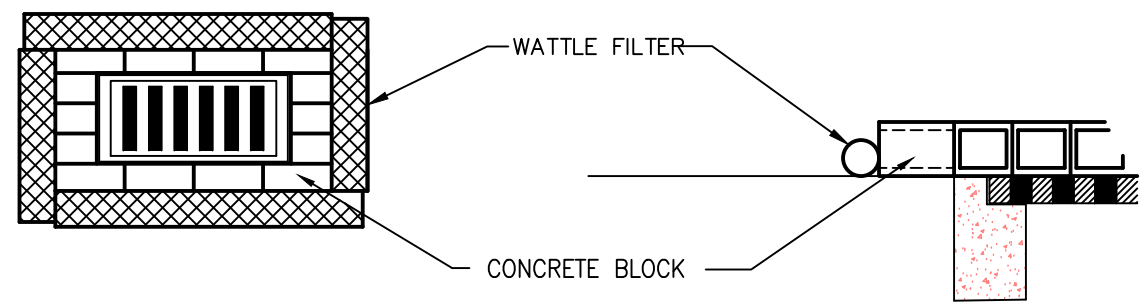
STD. SPEC.
REFERENCE

201.

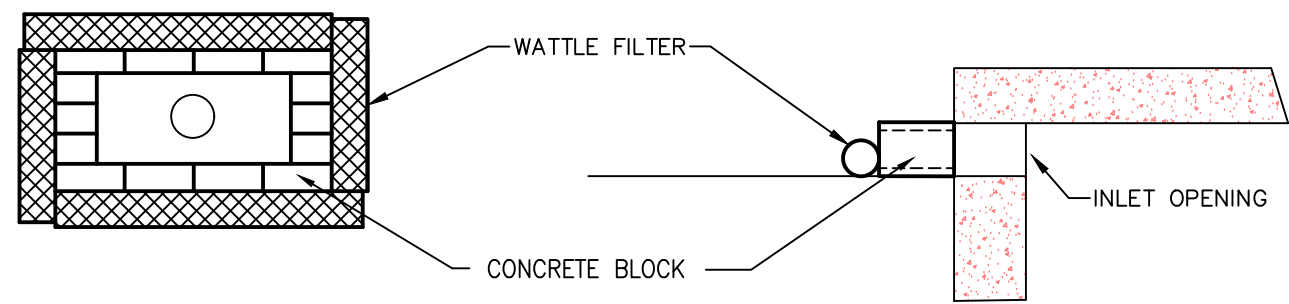
STANDARD DETAIL

1130

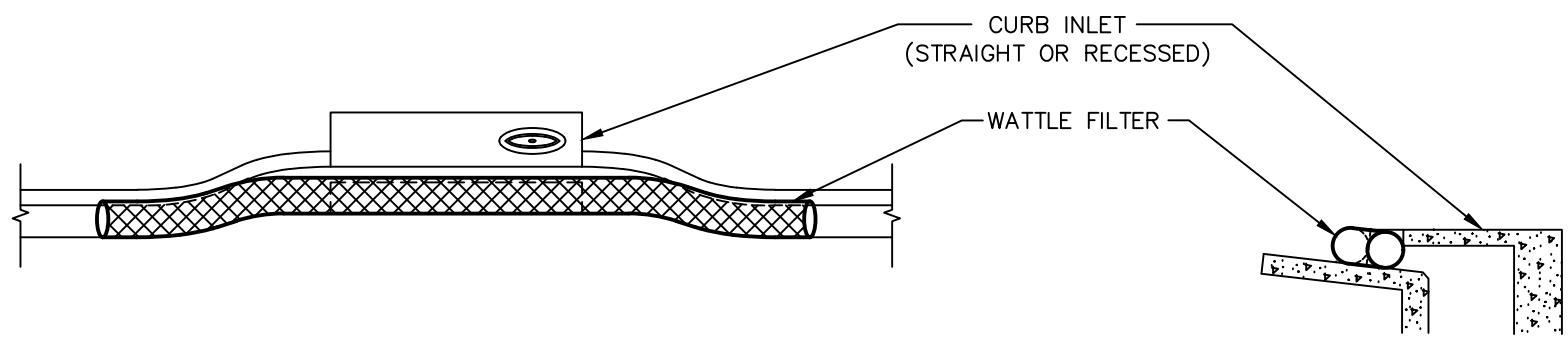
NO.	LOCAL EXCEPTION	BY	DATE



GRATE INLET PROTECTION
N.T.S.



DROP INLET PROTECTION
N.T.S.



CURB INLET PROTECTION
N.T.S.

NOTE:

WATTLE FILTER INLET PROTECTION SHALL CONFORM TO T.P.D.E.S. AND T.C.E.Q. REQUIREMENTS.

North Central Texas Council of Governments



NOTE: STANDARDS ARE ADOPTED FROM THE NCTCOG STANDARD DRAWINGS DATED NOV. '96, WITH LOCAL EXCEPTIONS.



STANDARD CONSTRUCTION DETAILS

EROSION AND SEDIMENTATION CONTROL

INLET PROTECTION: WATTLE FILTER

CITY OF COPPELL DALLAS COUNTY, TEXAS

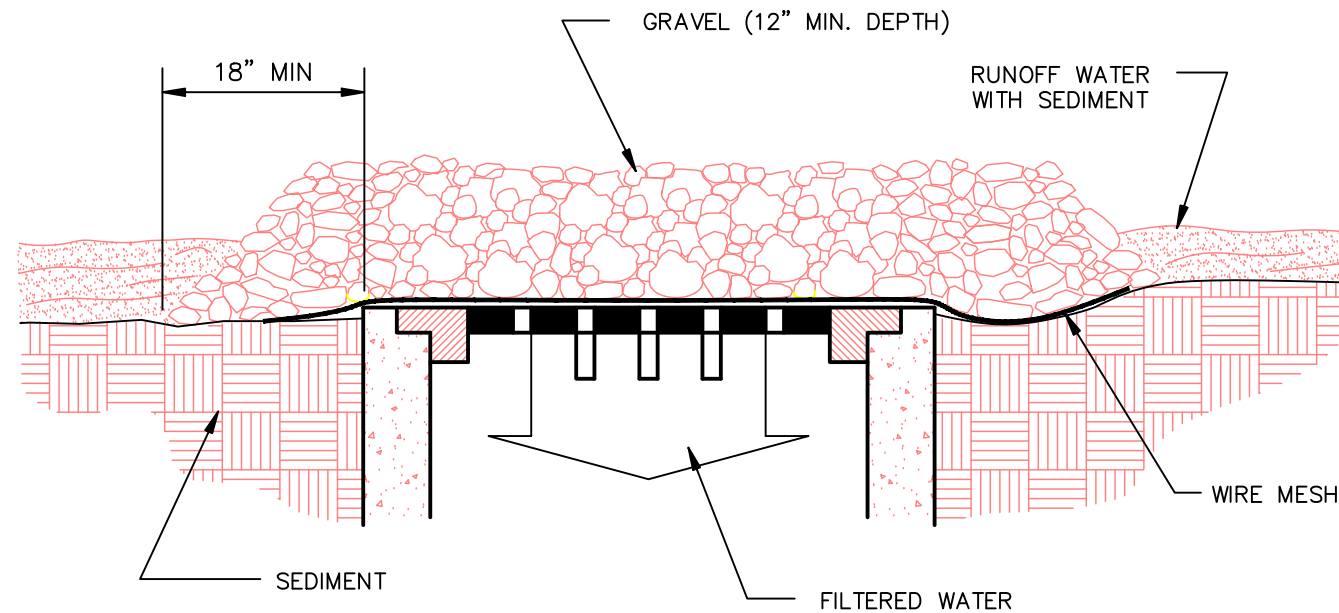
STD. SPEC.
REFERENCE

201.

STANDARD DETAIL

1135

NO.	LOCAL EXCEPTION	BY	DATE



CROSS SECTION
N.T.S.

SPECIFIC APPLICATION

THIS METHOD OF INLET PROTECTION IS APPLICABLE WHERE HEAVY CONCENTRATION FLOWS ARE EXPECTED, BUT NOT WHERE PONDING AROUND THE STRUCTURE MIGHT CAUSE HAZARDOUS AND UNPROTECTED AREAS OF STANDING WATER.

NOTE:

INLET PROTECTION SHALL CONFORM TO T.P.D.E.S. AND T.C.E.Q. REQUIREMENTS.

North Central Texas Council of Governments



NOTE: STANDARDS ARE ADOPTED FROM THE NCTCOG STANDARD DRAWINGS DATED NOV. '96, WITH LOCAL EXCEPTIONS.



STANDARD CONSTRUCTION DETAILS

EROSION AND SEDIMENTATION CONTROL
INLET PROTECTION: WIRE MESH AND GRAVEL

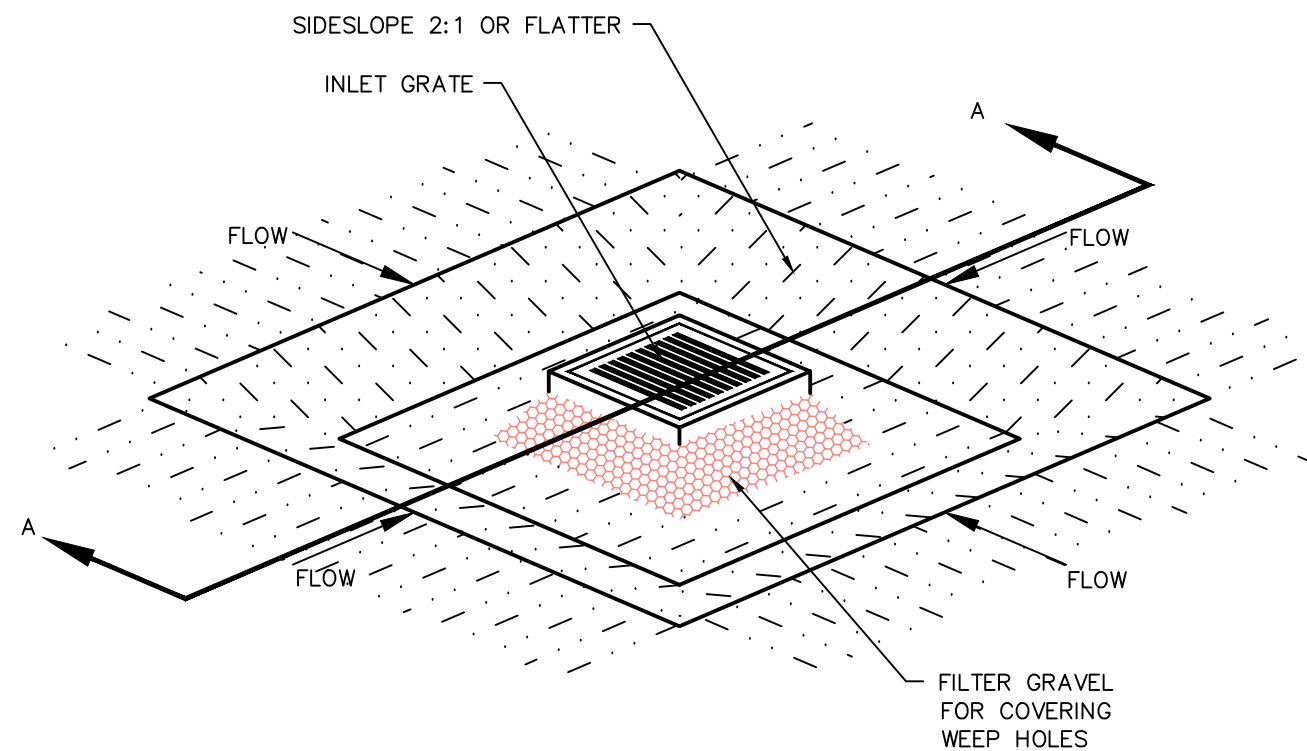
CITY OF COPPELL DALLAS COUNTY, TEXAS

STD. SPEC.
REFERENCE
201.

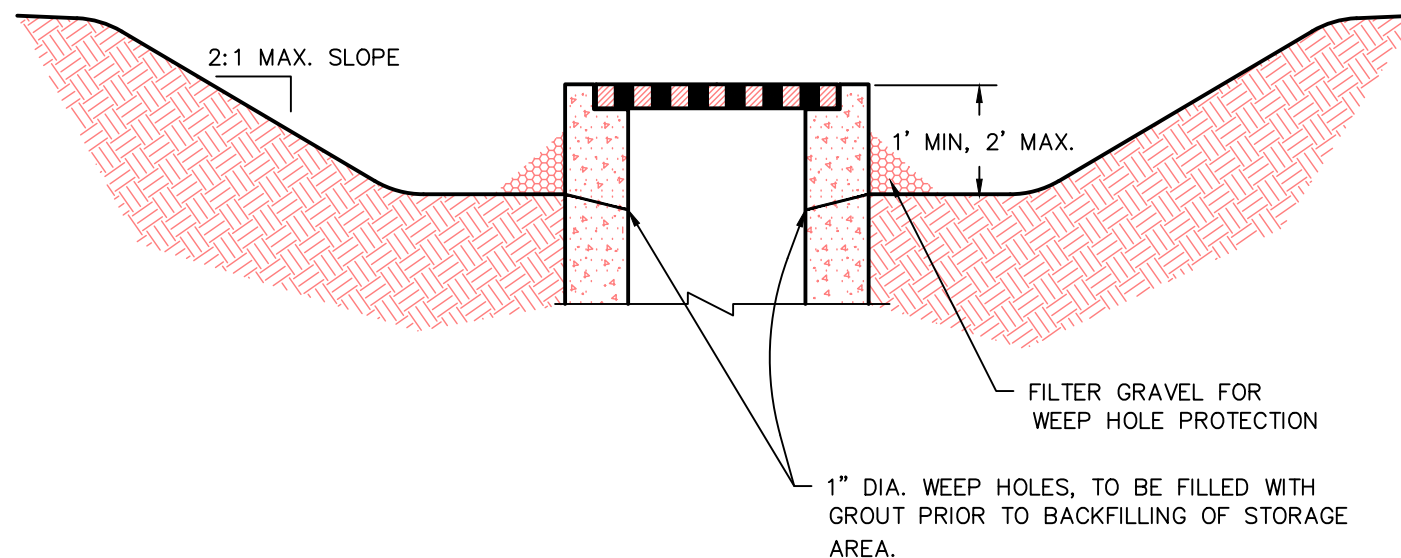
STANDARD DETAIL

1140

NO.	LOCAL EXCEPTION	BY	DATE



ISOMETRIC PLAN VIEW
N.T.S.



SECTION A-A
N.T.S.


NOTE:

EXCAVATED IMPOUNDMENT SHALL CONFORM TO T.P.D.E.S. AND T.C.E.Q. REQUIREMENTS.

North Central Texas Council of Governments

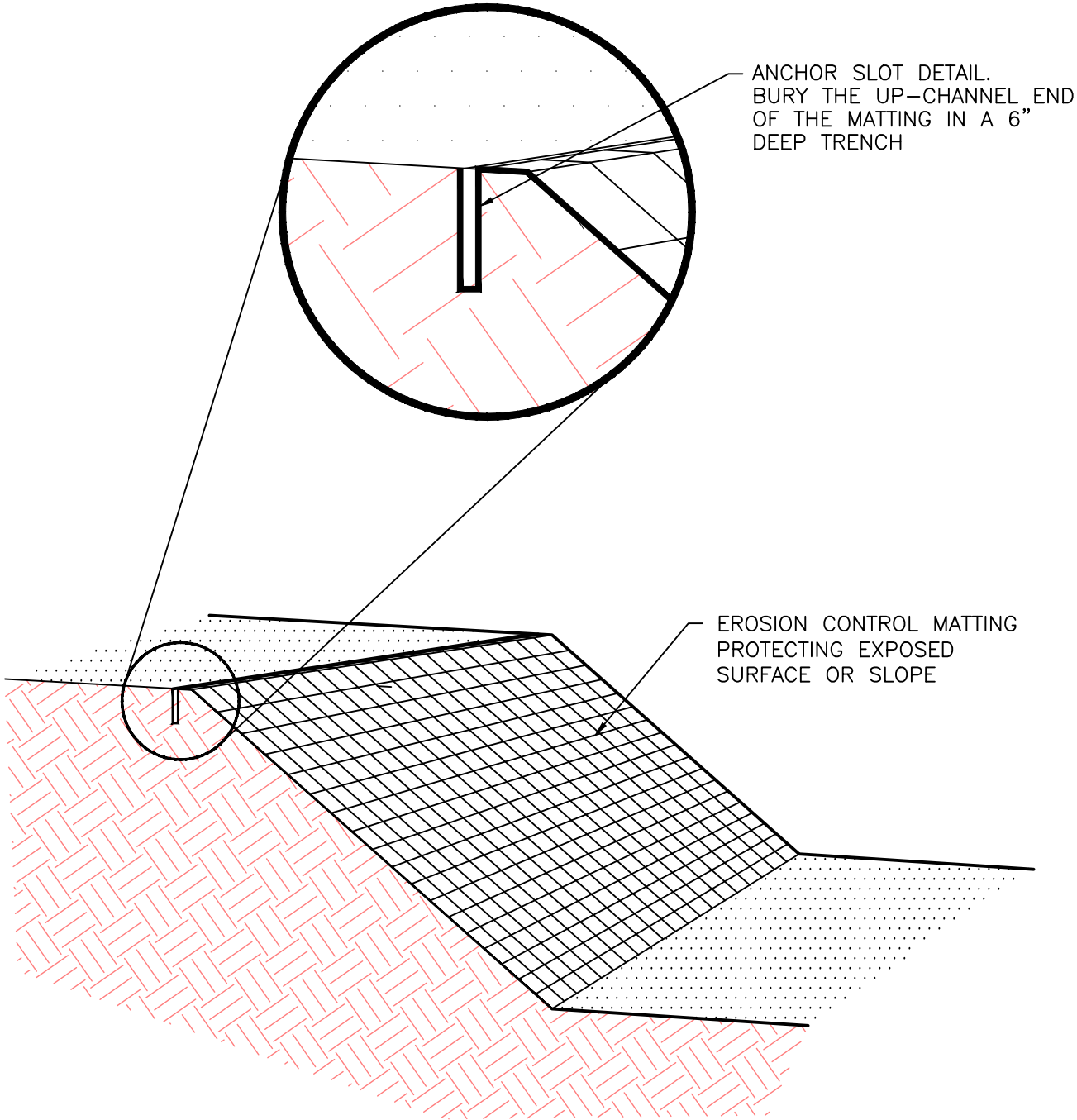


NOTE: STANDARDS ARE ADOPTED FROM THE NCTCOG STANDARD DRAWINGS DATED NOV. '96, WITH LOCAL EXCEPTIONS.

NO.	LOCAL EXCEPTION	BY	DATE		STANDARD CONSTRUCTION DETAILS EROSION AND SEDIMENTATION CONTROL INLET PROTECTION: EXCAVATED IMPOUNDMENT CITY OF COPPELL DALLAS COUNTY, TEXAS	STD. SPEC. REFERENCE 201. STANDARD DETAIL 1150

EROSION CONTROL MATTING GENERAL NOTES:

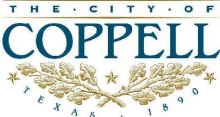
- 1. STRIPS OF MATTING SHALL BE INSTALLED PARALLEL TO THE DIRECTION OF FLOW OVER THE SURFACE WHICH IS TO BE PROTECTED.
- 2. THE UP-CHANNEL END OF THE MATTING SHALL BE BURIED IN A TRENCH MEASURING 6 INCHES DEEP AND 6 INCHES WIDE FOR THE ENTIRE WIDTH OF THE END. THE SOIL SHALL BE BACKFILLED INTO THE TRENCH AND TAMPED FIRMLY. STAPLES SHALL BE PLACED EVERY 12 INCHES ALONG THE END OF THE MATTING.
- 3. EDGES OF ADJACENT STRIPS OF MATTING SHALL BE OVERLAPPED A MINIMUM OF 4 INCHES AND SHALL BE STAPLED EVERY 3 FEET ALONG THE OVERLAP.
- 4. WHEN JOINING STRIPS OF MATTING END TO END, A TRENCH SIMILAR TO THE ONE DUG AT THE BEGINNING OF THE ORIGINAL STRIP SHALL BE DUG WITH THE UP-CHANNEL END OF THE NEW STRIP BEING PLACED IN A LIKE MANNER IN THE TRENCH AS THE BEGINNING END OF THE ORIGINAL STRIP. THE END OF THE STRIP BEING FOLDED UNDER AT LEAST 12 INCHES. STAPLES SHALL BE INSTALLED AT 12 INCH INTERVALS ALONG THE WIDTH OF THE STRIP NOT MORE THAN 6 INCHES FROM THE TRENCH.
- 5. IN SITUATIONS WHERE ERODIBLE SOILS, STEEP SLOPES OR HIGH VELOCITY FLOWS ARE ENCOUNTERED, A FOLD OF THE MATTING SHALL BE INSERTED INTO A 6 INCH TRENCH AND TAMPED FIRMLY. STAPLES SHALL BE INSTALLED AT 12 INCH INTERVALS ALONG THE TRENCH.
- 6. STAPLES FOR ANCHORING SOIL STABILIZING MATERIALS SHALL BE MADE OF 10 GAUGE WIRE OR HEAVIER. THEY SHALL BE 6 TO 10 INCHES IN LENGTH, WITH THE LONGER STAPLES BEING USED IN LOOSE OR UNSTABLE SOILS. THERE SHALL BE ONE STAPLE FOR EACH FOUR (4) SQUARE FEET OF MATTING TO ASSURE PROPER BONDING BETWEEN THE SOIL AND THE MAT MATERIAL.
- 7. EROSION CONTROL MATTING SHALL CONFORM TO T.P.D.E.S. AND T.C.E.Q. REQUIREMENTS.



North Central Texas Council of Governments



NOTE: STANDARDS ARE ADOPTED FROM THE NCTCOG STANDARD DRAWINGS DATED NOV. '96, WITH LOCAL EXCEPTIONS.

					STANDARD CONSTRUCTION DETAILS	STD. SPEC. REFERENCE 201. STANDARD DETAIL 1160
					EROSION AND SEDIMENTATION CONTROL	
					EROSION CONTROL MATTING	
					CITY OF COPPELL DALLAS COUNTY, TEXAS	
NO.	LOCAL EXCEPTION	BY	DATE			